THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).
Established in ENGLAND, 1859

Registered as a Newspaper.
Published Weekly at 42 CANNON STREET, LONDON, E.C. 4.

TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]
Established in AUSTRALASIA, 1885

No. 2,017. Vol. XC. SEPTEMBER 21, 1918.

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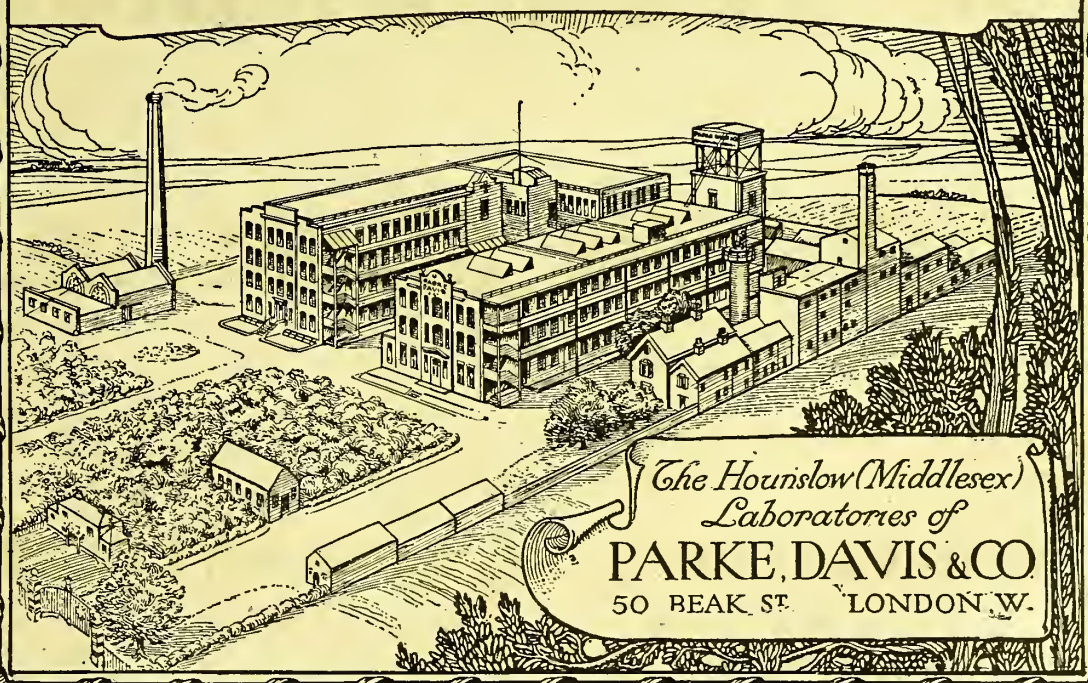

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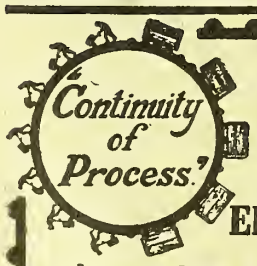

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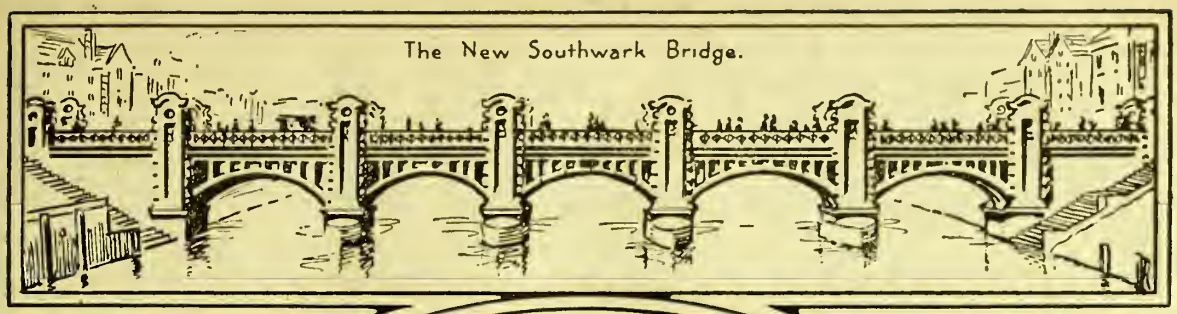

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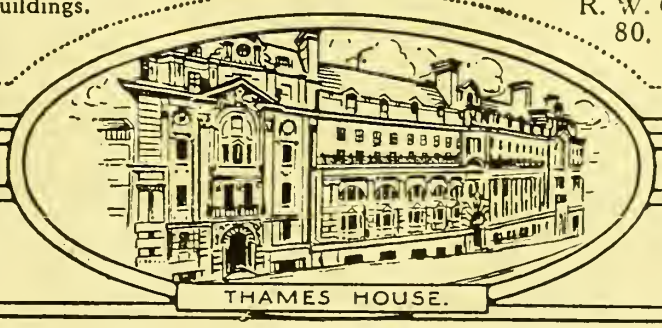

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Maw's Page.

NUMBER 362. SEPT. 21, 1918

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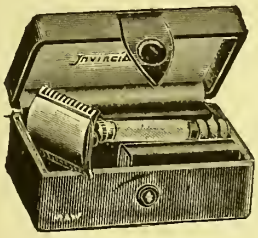
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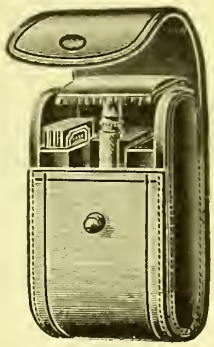
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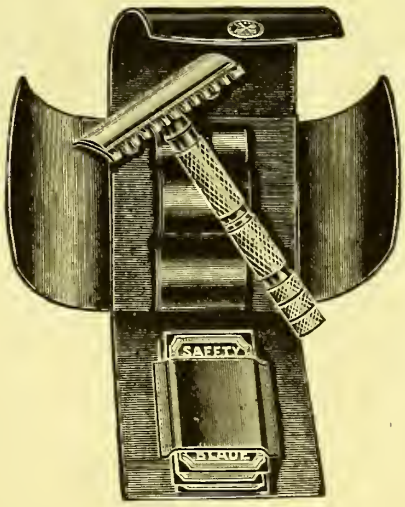
A NICKEL PLATED FOLDING SAFETY RAZOR.



No. 8.

Fitted as illustration, in fold-over leather case, with 3 blades.

36/-

PER DOZ.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

The Evan Williams' Original Henna Shampoo

APPEALS ESPECIALLY TO WOMAN—THE GREATEST SPENDING FACTOR OF THIS COUNTRY.

Put Evan Williams' Original Henna Shampoo on your counter and watch how quickly it sells, this is because our advertisements continually bring this dainty and perfect shampoo before ladies' notice, and once a sale is secured, its perfection ensures a steady permanent demand.

Ladies repeatedly write us asking for names of local agents, and it will pay you to stock this quick-selling proposition. Our Special Campaign of Publicity is now in full swing—this includes Press, Postal and Window Advertising, and aims to attract Ladies to your establishment. Write to-day for full particulars.

Our supplies having been RATIONED, we are compelled to make the acceptance of orders subject to the condition that, should we be unable to execute an order in its entirety, customers will accept a proportionate distribution of available stocks.

EVAN-WILLIAM'S ORIGINAL Henna Shampoo

THE EVAN WILLIAMS CO. LTD., 18 & 18a Ogle Street, Foley Street, London, W. 1. (2)

BRITISH MADE

TIN FOIL

Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, foodstuffs, etc. In sheets or reels—large or small quantities.

Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

Manufactured by

Venesta Ltd.
1, Great Tower St. EC.
London England

LABORATORY
OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.

LONDON AGENTS:
WILCOX, JOZEAU & Co., 49, Haymarket, S. W.

CHAPOTEAUT'S
CAPSULES of
PHOSPHOGLYCERATE
of LIME.
THE BEST TONIC FOR
FORTIFYING AND BUILDING UP
THE NERVOUS SYSTEM.
Sold by all Chemists.
Wholesale: 8, Rue Vivienne,
PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES
MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.
It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.
SOLD BY ALL DRUGGISTS.

CHANDRON'S
DROPS
(Gouttes des Colonies)
A harmless antiseptic
preventative against CHOLERA
FERMENTATION - INDIGESTION
& other intestinal disturbances.
SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

"Newbery's"
FRANCIS NEWBERY & SONS, LTD.

"Toilet Preparations"

LANOLINE CREAM
in tubes. An old line of great popularity.

HENNA SHAMPOO POWDERS
For cleansing and beautifying the Hair.

LIQUID DRY SHAMPOO
Harmless and refreshing Dry Shampoo.

NEWBERY'S HAIR CREAM
For fixing the Hair.
Free from grease. Non-sticky.

CHARTERHOUSE SQUARE,
LONDON, E.C.

10d.

Make your old Hat a new one.

In bottles, 10d. each, in separate neat cartons, with suitabl. brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS. NO POLISH.
On the P.A.T.A.
WRITE FOR TERMS, PATTERNS, ALSO LEAFLET OF TESTIMONIALS.

"Luton" HAT DYE

WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.
London Depot; 60-62 Clerkenwell Road, E.C.
"Glossy" Series supplied if desired.
Special Non-Inflammable Series for Export. Est. 1878
Telegraphic Address: "Dullette Kendal." Telephone: No. 214.

DIADEM
Face Powder

DIADEM
Vanishing Cream

possessed of the elusive fragrance of Diadem Cream, adheres readily to the skin. Made in Blanche, Naturelle, Rachel, and Rose tints. Packed in large artistic boxes, in the distinctive Robartes style and colouring. A sure seller.

a cream of rare purity and charm, put up in novel white globes which have an irresistible appeal and packed in dainty boxes in Robartes' attractive style. Handsome profits for you in selling.

TRADE TERMS

Diadem Powder		Diadem Cream	
Advertised and Minimum Retail Price	2/6	Advertised and Minimum Retail Price	3/9
Trade, per doz.	20/-	Trade, per doz.	30/-

Window and Counter Materials free on request. Write for particulars.

Special Notice and Offer to the Trade.

Each jar of Diadem Cream contains the following notice:—"On returning 6 of these empty Diadem jars to any Chemist or Hairdresser in the United Kingdom, a new 3/9 size jar will be given you free in exchange."

Upon any of our trade customers therefore returning to us 6 of these empty jars, carriage paid, we will immediately forward in return, post free, 2 (3/9 size) jars of Diadem Vanishing Cream.

DECOLTENE
The liquid hair remover
The intelligent depilatory. Simple, safe and effective. Pleasant and harmless. Invaluable during the décolleté vogue. Daintily packed.

Dinkie
The Dainty Deodorant
An attractive line that enjoys good sales. A greaseless Cream that takes the odour out of perspiration. Daintily packed in opal jars.

TRADE TERMS. DECOLTENE. Advertised and min. Retail price 3/9 Trade 30/- per doz. DINKIE. Advertised and min. Retail price 2/6 Trade 20/- per doz. Particulars and Show-cards on request.

ROBARTES, LTD., 128 Jermyn St., London, S.W.1

1868 to 1918

"The Muse's friend, tea does
our fancy aid,
Repress those vapours which
the head invade."
—*Waller.*

All the flavour!

When you make tea with Ayrton's Tea Tablets you get all the flavour in the cup

When you make tea in the old tea-pot way you leave a lot of the flavour in the pot

Ayrton's Tea Tablets make tea with a glorious flavour!

For the Trenches,
the Office,
the Workshop
and the Home.

Why not make a display?

Show matter on request.

P.A.T.A. retail - 10½d per tin (face value)
" wholesale 8/3 per doz. 96/- per gross

WE PAY CARRIAGE ON SIX DOZEN AND UPWARDS.

AYRTON, SAUNDERS & CO. LTD

Wholesale Druggists **LIVERPOOL**

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO.
LIVERPOOL - - - MANCHESTER

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs and smaller packages according to requirements.

Inquiries are solicited for this article of **BRITISH MANUFACTURE,** and buyers may rely that for quality and price it will meet any competition

Other Grades

Petroleum Jellies, White Bases, &c.

Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

Phone: 186 Bootle. Wires: "Cestrian Liverpool."

Eucalyptus Oil B.P.

PERRY & HOPE LTD.
1 Leadenhall Street, London, E.C. 3.

Telegrams - "PERRYOPE, LED, LONDON."
Telephone - - AVENUE 5661 (3 lines).

LIQUID BARKOLA COMPOUND

Wholesale 26/- per doz., less 10 & 5%. Retail 2/9 each.

Each bottle (1 oz.) carries instructions to the chemist to make up to the following Standard Formula—
Liq. Barkola Comp., 1 oz.; Tincture of Gentian (B.P.), 1 oz.; Inf. of Rhubarb, conc., 2 dr.; Tinct. of Ginger fort., 1 dr.; Aq. Chlorof., to 8 oz.

Chemists charge according to their own scale for dispensing

THE BARKOLA CO., LTD.,
42 Great Dover St., LONDON, S.E. 1.
Proprietors of Barkola Alvexo, Barkola Balm, &c. &c.

LABELS · CARTONS · SHOWCARDS · ETC.
ESTABLISHED 1841.
GREAT TURNSTILE,
HIGH HOLBORN, W.C. 1.
TELEGRAMS: "FORSHAPCO, LONDON." TELEPHONE: CITY 69.

PURE
DRINKING WATER.

The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT STATEMENT:
Wherever the **PASTEUR FILTER** has been applied, **TYPHOID FEVER** has disappeared.

WRITE FOR LIST B.

SOLE MAKERS:
The British Pasteur Chamberland Filter Co.
5 WHITE STREET, FINSBURY, LONDON, E.C. 2.

The Finest Quality Aerated Waters are made only with the Finest Quality ESSENCES

Boake Roberts'

Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash Vanilla

A. Boake Roberts & Co. Ltd.
Stratford, London.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
* " " " " bottles in cartons	2/-	16/-

**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d.	2/-	18/-

BEST ENGLISH MAKE

SEA-TANGLE TENTS

(LAMINARIA DIGITATA)

For dilating the OS and CERVIX UTERI.

Introduced by SIR JAMES SIMPSON, M.D.

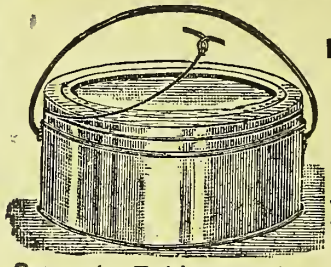
SPECIAL ADVANTAGES.

Firstly—They are cheaper in price than Sponge Tents.
Secondly—More easy of introduction.
Thirdly—More potent than dilators.
Fourthly—Cleaner in their use.

Lecture by PROF. SIMPSON, "Tangle Tents," at the Obstetrical Society of Edinburgh.—See Edinburgh Medical Journal for July 1864.

Sole Manufacturer: **E. BRASSE (late R. Manson)**
Culvert Works, Culvert Road, South Tottenham, London, N. 15

The Northern Tin Canister Works,



6 Mersey Street,
LIVERPOOL.

Manufacturers for the Chemical Trade.

TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

Patent Air Tight Slip-lid Tin For Export.

Prompt Deliveries Assured.

FRENCH CHALK

ALL GRADES. STOCKS KEPT.

SAMPSON & WHITE, Ltd., 6 Holborn Viaduct, London, E.C.

THERMOMETERS AND HYDROMETERS

Clinical and Chemical Thermometers of high quality a special feature.

A. T. REYNOLDS, Barnsbury Hall, Barnsbury Street, LONDON, N. 1.

Immediate Delivery. *Wholesale and Export.*

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.

FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY Co., Ld.

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

SAFETY RAZOR SHARPENING

BY LATEST ELECTRICAL MACHINERY.

We guarantee a perfect edge on ANY blade, ANY make.

Trade terms: **6d. PER DOZEN net.**

Blades returned same day as received.

SEND US YOUR WORK.

THE LIVER RAZOR CO., 77a DALE STREET, LIVERPOOL.

MENLEY & JAMES, Ltd.,

Manufacturing Chemists,

"MENLEY HOUSE,"

FARRINGDON ROAD, LONDON, E.C. 1.

Contractors to H.M. Government. *Works :* CAMBERWELL, LONDON, S.E.

APPRECIATION.

THAT THE QUALITY OF M. & J. CHEMICALS IS APPRECIATED BY PHYSICIAN, PHARMACIST & PUBLIC ALIKE, IS SHOWN BY THE FOLLOWING UNSOLICITED OPINIONS :—

"I have used your Tablets with the most perfect and satisfactory results. The patients I treated with your tablets did not complain of either sickness or depression."
———L.R.C.P., L.R.C.S.

"I find your Acid Acetyl-Sal. is the nicest make of that article that I have had so far."
———A Pharmacist.

"The sample of Acid Acetyl-Sal. is certainly as good as Bayer's. I have seen a lot of samples lately and all have more or less free Salicylic Acid and the acetic odour predominant."
———Another Pharmacist.

"I find my customers prefer your Aspirin Tablets to any other make—therapeutically they are excellent and they are compressed just to the right point."
———Yet another pharmacist.

ASPIRIN TABLETS, 5-GRAIN, IN BOTTLES OF 25 6/- per doz.
" " " " " " " 100 20/- " "

WE PRINT CHEMIST'S OWN NAME AND GIVE CHOICE OF LABEL FREE OF CHARGE.

PROMPT DESPATCH. CARRIAGE PAID. MINIMUM ORDER 3 DOZ.

MAGNUS, MABEE & REYNARD, Inc.

NEW YORK, U.S.A.

IMPORTERS—MANUFACTURERS—EXPORTERS

ESSENTIAL OILS, DRUGS & CHEMICALS.

We offer at advantageous prices—

LIQUID STYRAX
Cases 80 lb. each (not U.S.P.)

CHLOROPHYLL
Alcohol and Oil, Soluble.

HELIOTROPINE CRYSTALS

VANILLIN & COUMARIN

BALSAMS

COPAIBA—PERU—TOLU

An interesting and complete Catalogue covering the Drug and Essential Oil fields mailed on request.

Advertising that assists YOU!

THROUGH the press, MOVOL has gained public confidence. Housewives are still being told about it. Some have yet to learn its wonderful power of making Iron-mould, Ink and Fruit stains disappear, and *all* are told that

TRADE MARK
MOVOL
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can be bought from Chemists everywhere. Have you got your stock displayed and are you reaping the profits?

Mail a P.C. for trial stock and display material to

W. EDGE & SONS, Ltd.
BOLTON, LANCS.
(The Drummer Dye People.)

ESTABLISHED 1860.

A Safe & Indispensable Family Remedy

EUSALINE

"THE FAVOURITE HEALTH DRINK."

The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES:
Cooling
Refreshing
Cleansing
Sparkling
Palatable

As a Morning Tonic EUSALINE is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. KEEPS IN ALL CLIMATES.

Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.

EUSALINE is being extensively advertised during the coming months, so that a large and steady demand is assured

EUSALINE is Retailed at **1/9** per bottle; Wholesale price, **15/-** per dozen. Discount, 15% and Carriage Paid on £5 orders. Can also be had in boxes containing 13 packets, to retail at 1½d. per packet, or 2 for 2½d., and **1/3** per box. Wholesale price, **12/-** per gross. Discount **15%**, plus bonus, according to quantity ordered. Carriage Paid on **£5** orders.

GEORGE WALKER & SON, Ltd.
Reid Street, Bridgeton - GLASGOW.

DISTINGUISHABLE FROM ALL OTHER PREPARATIONS BY ITS GRANULAR FORM, WHICH ENSURES A DEGREE OF MEDICINAL ACTIVITY AND FRESHNESS HITHERTO UNOBTAINABLE.

THE FRENCH NATURAL MINERAL — WATER. —

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT, Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

IDRIS

Royal

Table Waters

As supplied to H.M. The King.

Soda Water
Potash Water
Lithia Water
Lemonade
Brewed Ginger Beer
Lime Juice Cordial
Ginger Ale

Dry Ginger Ale
Apple Champagne
Phosphade
(A Delicious Tonic Beverage)
Koolime
(The Ideal Beverage)
Lemon Squash

TONALKA

THE BRITISH APERIENT.

Removes depression and gives renewed vitality by clearing the blood of acidity and impurities.

A safe and mild aperient for prolonged use.

DRINK THIS PLEASANT WATER, AND ENJOY THE HEALTH THAT COMES WITH A PURIFIED SYSTEM.

TESTED AND PROVED FOR OVER A QUARTER OF A CENTURY.

In Reputed Quart Bottles.

IDRIS & CO., LTD.

PRATT ST., CAMDEN TOWN, LONDON, N.W. 1.

Branches—LIVERPOOL, SOUTHAMPTON AND CANTERBURY.

FREDK. FINK & CO.,
10 & 11 MINCING LANE, LONDON, E.C.

SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

PRECIPITATED CHALK.
Lightest and Whitest, also Purest Dense.
APPLY TO
AUG. LEVERMORE & CO. Ltd., 8-10 Gt. St. Helens, LONDON, E.C.
Telegrams: "LEVERMORE LONDON." Telephone: 4613 Central.

SHADEINE
FOR COLOURING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses.
Trial Size 8d., per post 10½d.; Medium. 1/4, per post 1/7; Large, 3/6, per post 3/10.
8d. size, 6/- doz.; 1/4 size, 12/- doz.; 3/6 size, 33/- doz.
THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.

DISINFECTANTS
OF ALL KINDS
Cheapest Makers of Co-efficient Acids and Fluids
HENRY ELLISON, LTD., CLECKHEATON, YORKS

Van Horn and Sawtell
—LONDON AND NEW YORK— MAKERS OF
"K-Y" LUBRICATING JELLY
IN COLLAPSIBLE TUBES AND OF
Van Horn "Sterile Sutures and Ligatures.
IN GLASS TUBES — PRICES ON APPLICATION
81-83 HIGH HOLBORN, W.C.

CACHETS "FINOT"
(White or Coloured),
With Inscriptions in any desired tint: also Plain or Embossed.
"Beautifully made and the inscriptions give them a distinction all their own."—*C. & D.*
"Perfection of Cachets."—*Lancet.*
These Cachets are especially adapted for Headache, Neuralgia and other powders.
COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON.
In 17 Sizes, to fit the various types of Cachet Machines.

John E. Raworth,
Chartered Patent Agent,
The Old Mansion House, 73 Cheapside, E.C. 2. AND *Queen Anne's Chambers, Westminster, S.W. 1.*

S.V.M. WINES FOR CHEMISTS. **S.V.R.**
A. MACNAIR & Co *Dolphin Distillery Ardwick, MANCHESTER*

Glycerine Syringes
(VULCANITE AND GLASS)
2 dr., 11/- per dozen; ½ oz., 15/6 per dozen.
THE GALEN MANFG. CO., LTD.,
Wilson Street, New Cross, London, S.E. 14.

CACHETS

WEPS.
The Best Quality.

WEST-END PHARMACY SUPPLY
(*R. Rios*)
231 REGENT ST., LONDON, W. 1.
Cachets. All sizes, plain and embossed
Orders accepted for coloured & printed.
BLENOSAN CAPSULES
(Kava-Kava & Santal Compound).
Medicinal Capsules. Fine Chemicals.

ROYAL COURT HAIR DYES
Notwithstanding the shortage of supplies, we are still in a position to supply all orders and guarantee our preparation to be exactly the same as pre-war recipes. Own-named brands a speciality. Largest profit, and most reliable Hair Dye yet produced.
J. KNOX WALKER & Co. Ltd., 422 Kingsland Rd., London, E. 8.

QUIN-QUENNA Sells merely by showing.
A clever and heavy Press campaign is behind this unique Hair grower and beautiner. Hence the tremendous business with those Chemists who *only* show it. Look at the profit, too. Carriage paid on 6-doz. lots. 1(3)
4/- PER DOZ. × P.A.T.A. SIXPENCE EACH × YOUR PROFIT 33⅓%
THOS. CHRISTY & CO., 4-12 OLD SWAN LANE, E.C. 4.

"WAVCURL" promotes Curly Hair.
An absolutely unique scientific toilet preparation. Harmless and effective. Sells at sight. Widely advertised and shows a splendid margin of profit on minimum protected price. Every Chemist who appreciates the value of quick returns and satisfied customers should stock "WAVCURL." Descriptive circular will be sent to all chemists on applying for it. Special to Wholesalers.
Packets, **1/6**, at **9/-** per doz. Bots., **2/9**, at **21/-** per doz.
THE NEW WAVCURL CO., Fulwood House, High Holborn, London, W.C.1

DISPENSING BOTTLES & PHIALS.
CLEAR BLUE TINTED, plain or graduated.
3 and 4 ounce. 6 and 8 ounce.
12 ounce.
WHITE PHIALS, plain or teaspoons.
½ ounce. 1½ ounce.
1 " 2 "
BLUE LOTION BOTTLES, all sizes.
Lowest Market Prices Charged.
CORKS. Superior Quality. No advance in price.
6 and 8 ounce ... ... 1s. per gross, in 6 gross bags.
Vials ... ... 10d. per gross, in 3 gross bags.
Delivered free within 7 miles, and to certain stations. Particulars on application.
I. ISAACS & CO., Glass Bottle Manufacturers,
106 Midland Road, St. Pancras, London, N.W. 1,
or ISLINGTON BOTTLE COMPANY,
7 New Inn Yard, Tottenham Court Road, London, W. 1.
Orders sent to either establishment have attention.
Established 100 Years.
Bankers: London County and Westminster Bank, Bloomsbury Branch.

ALL CHEMISTS SHOULD STOCK ABDINE
THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Over 40 Years' Reputation.
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 1½d. each; Boxes of 13 packets, 1/6.
Wholesale Prices on application. Sample Box 1/6.
D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

VITAMOGEN contains the essential *Vitamines* in an active and concentrated form. VITAMOGEN is in itself a food of the highest potency, rationally concentrated according to approved scientific methods. It is rich in organic, i.e. assimilable Phosphorus, and the proportion of nutritive constituents is well balanced to meet the physiological needs of the organism.
VITAMOGEN stands alone as a means of supplying the Vitamines — an entirely new food element.
VITAMOGEN is packed in two sizes, 2/- and 4/6, obtainable from all the principal wholesale houses.
VITAMOGEN owes its origin to our Chairman, who, 20 years ago, invented Virol, the well-known Invalids' Food.

24 HOLBORN, LONDON, E.C. 1.

Vitamogen LTD.

SACCHARIN 550

COUMARIN VANILLIN HELIOTROPIN

GRANT, HUGHES & CO.

21 Mincing Lane - LONDON, E.C. 3.

Telephone—Avenue 4567. Teleg. Address—"Nitroform London."

ELECTRIC POCKET LAMPS, TORCHES, HAND LAMPS, &c.

OUR NEW LIST is now ready.

REFILLS.

Owing to the great scarcity of these, we regret we can only supply a limited number to those customers ordering also complete lamps. We have a large variety of cases at very low prices.

ARCHIBALD J. WRIGHT, LTD.

Manufacturing Electricians,
61 Eden Grove, Holloway, London, N.

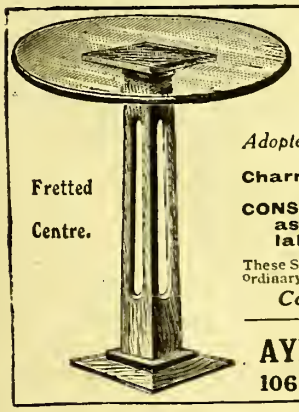
Milner's Chemical Co., Liverpool.

TO-DAY'S PRICES.

		6 doz.	12 doz.
"MILNER CLEANER" *For white straw hats.*	3d	10/- net	19/- net
"PLANO" *For chapped hands and roughness of the skin.*	3d.	12/- net	23 6
"RAILOX" *Nit and Lice destroyer.*	3d.	12/- net	23/6
"RAILOX"	7½d.	5/3 per dozen	*(Carr. paid).*

DISCOUNT.—On orders of 20/-, 2½%; £5, 5%; £10, 7½%.

SPECIAL OFFER.—13 to the dozen for CASH WITH ORDER.



Fretted Centre.

OAK PEDESTALS AND Plate Glass Shelves.

Adopted by Leading Window Dressers

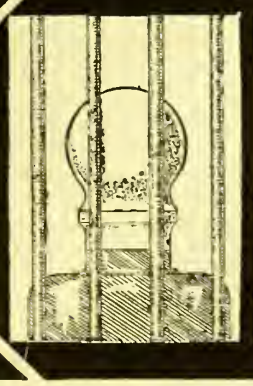
Charming and Artistic Effects

CONSTANT CHANGE OF SHOW assured. Window-dressing labour more than halved.

These Stands can be used in conjunction with ordinary rows of Window Shelves if desired.

Complete Sets from 27/6

AYRTON-GRAHAM, Ltd.
106 Duke St., LIVERPOOL.



IRON BARS, could not more safely preserve a bottle's contents than do

SEMREH

SELF-FIXING BOTTLE CAPS.

Particulars from

The VISCOSE Development Co., Ltd BROMLEY, KENT.

Prompt dispatch can at present be given.

OF COURSE YOU MUST ADVERTISE— OR BE FORGOTTEN.

Write, and I will tell you how to suit your advertising to present conditions. I am helping hundreds of C. & D. firms—have been doing this for 10 years. I CAN INCREASE POSTAL AND 'PHONE ORDERS as well as SALES OVER THE COUNTER. Write to-day for FREE BOOK, "Business by Post."

F. A. DEGEN, F.I.S.A.C., Mail Order Specialist for Chemists & Druggists, c/o The "C. & D." 42 Cannon Street, London, E.C.4.

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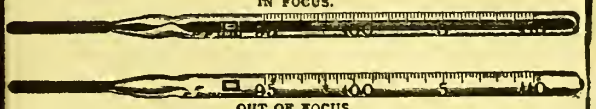

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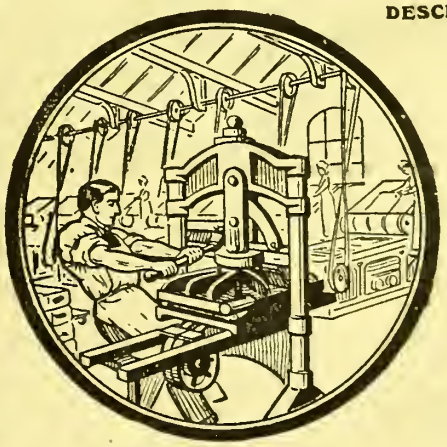

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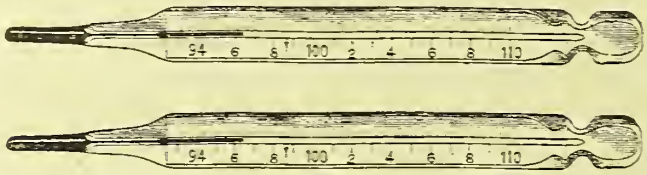

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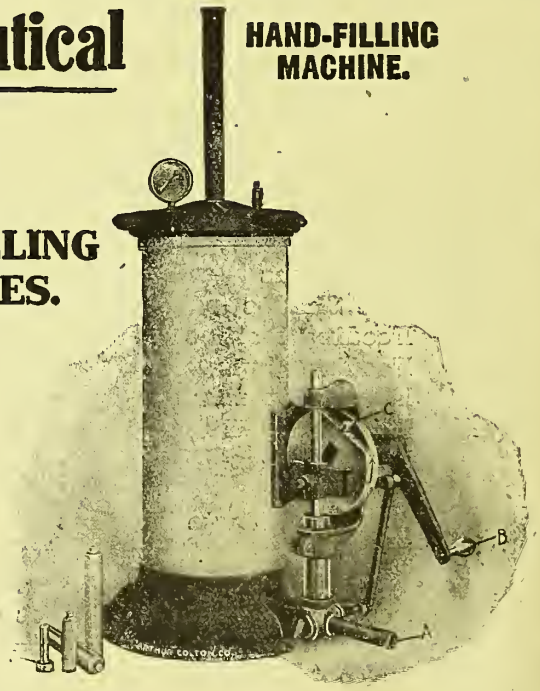

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"C. & D. DIARY," 1919.—Our annual *Diary*, which will be in the same form as the last issue, has, in consequence of war conditions, to go to press somewhat early, and the work of revision is already in hand. We shall reserve space for the registration of formulas for "known, admitted, and approved" remedies. Our *Diary* was the first book of the kind which the Revenue authorities accepted as an approved book of reference. The space reserved in the 1919 *Diary* for such formulas will be limited, so that true copies of them, with doses or other directions for use, should be sent to the Editor *C. & D.*, 42 Cannon Street, London, E.C., as promptly as possible.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, September 22.

United Arts Rifles, "B" Company (Pharmacists).—At 10 A.M., company parade at headquarters, Imperial College Union, South Kensington, S.W. At 9.45, musketry party parade at Fenchurch Street Station for Rainham. (Tuesday, September 24, at 8.30 P.M., N.C.O.s class; September 25 and 26, at 3 P.M., platoon parades.)

Tuesday, September 24.

Industrial Reconstruction Council. Hall of the Institute of Journalists, 2 and 4 Tudor Street, London, E.C. 4, at 6 P.M. Mr. J. J. Mallon, of the Anti-Sweating League, will open a discussion.

European War News.

Import and Export Notices.

SPAIN.—An Order has been issued prohibiting the export of canary-seed.

Personalia.

RIFLEMAN WILLIAM BAXTER, Royal Irish Rifles, has been wounded on service. Prior to his enlistment in 1917 he was an apprentice to Thomas McMullan & Co., wholesale druggists, Belfast.

MR. LEONARD T. WHITE, B.A. (Cantab.), son of Mr. Fred. A. White (J. F. White & Co., manufacturing chemists, Benson Street, Leeds), has received a commission in the Royal Garrison Artillery.

LANCE-CORPORAL J. W. VARLEY, Duke of Wellington's West Riding Regiment, is reported wounded. Prior to enlistment Lance-Corporal Varley represented Dawson & Emerson, manufacturing chemists, Huddersfield.

PRIVATE WALTER FROST, Duke of Wellington's West Riding Regiment, has been severely wounded on service in France. Prior to joining the Army in 1915 he was with F. M. Rimmington & Son, Ltd., chemists, Bradford.

SECOND-LIEUTENANT A. SCOTT, Black Watch, son of Mr. H. F. Scott, chemist and druggist, Inverkeithing, has been awarded the Military Cross. Second-Lieutenant Scott was wounded on August 1, and although improving is still in hospital.

SECOND-LIEUTENANT JOHN KNOX, M.C., Royal Irish Rifles, has been awarded a bar to the Military Cross for conspicuous gallantry in action. Second-Lieutenant Knox, who in civil life was with S. Connor & Sons, chemists, Newry, obtained the Military Cross early in the present year (*C. & D.*, January 26, p. 34). He is a Ph.C. of Ireland.

LANCE-CORPORAL PERCY M. TEES, son of Mr. David Tees (Grattan & Co., Ltd., chemists, Belfast), has been wounded on the Western Front and is in hospital. Lance-Corporal Tees, who is nineteen years of age, entered the Army in September 1916 as a cadet, but subsequently joined the ranks of the Royal Dublin Fusiliers in order to see active service. His elder brother, Captain E. S. L. Tees, has also been wounded lately (*C. & D.*, September 7, p. 33).

LIEUTENANT-COLONEL SIDNEY WATERFIELD BUNKER, M.C., Royal Fusiliers (City of London Regiment), attached Royal Engineers, who has recently received promotion, is the elder son of the late Mr. C. J. G. Bunker, chemist and druggist, and of Mrs. Bunker, Twickenham. Lieutenant-Colonel Bunker qualified as a chemist and druggist in January 1911, and subsequently passed the examinations for Bachelor of Science, University of London, and for Fellow of the Institute of Chemistry. He was for a time in the analytical laboratories of Wright, Layman & Umney, Ltd., London, S.E. His brother is also with the Forces. Their father, who died in 1916 (*C. & D.*, 1916, p. 687), is remembered as a chemist prominent in pharmaceutical affairs, having been President of the Proprietary Articles Trade Association, and, on two occasions, of the Thames Valley District Pharmacists' Association.

LT.-COL. S. W. BUNKER.

CAPTAIN (A/MAJ.) FRANK GRAHAM LESCHER, M.C., R.A.M.C., Spec. Res., has been awarded a second bar to the Military Cross for an act of conspicuous gallantry and devotion to duty thus described officially: "When his camp was heavily shelled he had the wounded removed, and attended them in the open for six hours. Again, during the night, when the transport was bombed, he proceeded to the scene and extricated the wounded men and attended to them, although the enemy continued to shell the position." Captain Lescher is the youngest son of the late Mr. F. Harwood Lescher, Ph.C., and brother of Mr. T. E. Lescher, a director of Evans Sons Lescher & Webb, Ltd. A sketch of his career, with portrait, appeared in THE CHEMIST AND DRUGGIST, 1916, p. 1080.

B

Miscellaneous.

Quebracho (Dealings) Order.—By an Army Council Order dated September 10 no person without a permit issued by the Director of Raw Materials may purchase or sell any solid quebracho extract.

Trading with the Enemy.—A new consolidated list containing the names of over 3,500 persons and firms with whom it is forbidden to trade in this country has been issued. It can be had from the Stationery Office, price 6*d.* net.

Pharmacy-classes at the Front.—A correspondent in the Royal Engineers (18/9) writes: "Educational classes have been started in our company, about fifteen subjects in all being taught. These include chemistry, pharmacy, and botany."

War Physic.—The Prime Minister (Mr. Lloyd George), telegraphing from his sick-bed at Manchester to General Pershing to congratulate him on the victory of the American Army in the St. Mihiel salient, said: "The news came to me on a sick-bed; it was better and infinitely more palatable than any physic." To this General Pershing has replied: "It shall be the endeavour of the American Army to supply you with occasional doses of the same sort of medicine as needed from now until the final victory has been attained."

Bombing Poison-gas Factories.—In a recent report of the Royal Air Force it is stated that the material effects of the air-raids on the Rhine cities have been very considerable. At Mannheim, in the course of three consecutive night raids, extensive damage (confirmed by photographs) was caused to the Badische poison-gas works, including the partial destruction of the sulphuric acid and nitric acid factory, and the aniline department, while much damage was also caused to two large buildings north of the laboratory. The works have been heavily bombed on eleven occasions. Another account states: Amongst raided munition establishments, the great chemical-works at Mannheim would appear to be a favourite, if not the favourite, objective with the R.A.F. Independent Force, and justly so, for the huge Bädische factory is understood to be the principal sources of Germany's supply of poison-gas. The Bädische works were mentioned first in the official *communiqué* of March 18, when eight direct hits were obtained, causing an abnormally large column of black and white smoke to ascend, and though the official reports of Mannheim raids in later months do not always refer to these works by name, it is obvious that the "chlorine-factory" on which 2 tons of bombs were dropped by British aeroplanes on May 21-22, causing three large fires, and on which twenty-four heavy bombs were dropped, causing two large fires, on the next night, is also the Bädische works or a subsidiary. It is worth recalling the statement in the official report of the second of these two raids on the "chlorine-factory" that the blackened girders of the buildings gutted by fires started in a factory where bombs were dropped the preceding night were clearly visible in the moonlight.

Certified Occupations.—The new list of certified occupations (R 136, revised) was issued on September 18, and comes into force on September 26. Copies can be obtained from the Stationery Office at 1*d.* each. The entry regarding chemists has been altered to "Chemists, Dispensing," and the footnote has been expanded. The complete entry is as follows:

Chemist, Dispensing.—Man lawfully and habitually engaged in dispensing medicines to be treated as in a certified occupation if agreed to be indispensable for the needs of the population by the National Service Representative, after consultation with the Insurance Committee for the area, or if recommended by the National Health Insurance Commission and approved by the Ministry of National Service.

National Service Representatives and Insurance Committees have instructions that dispensing chemists falling within the following ages and grades are not, unless in exceptional cases, to be agreed to be indispensable, viz.,

(*a*) Proprietors or managers born in or after the year 1887 who are in Grade I.;

(*b*) Qualified assistants born in or after the year 1883 who are in Grade I.;

(*c*) Unqualified assistants born in or after the year 1875 who are in Grade I.;

(*d*) Unqualified assistants born in or after the year 1883 who are in Grade II.

The Insurance Committee shall consult the Pharmaceutical Committee before deciding which cases to recommend for exemption.

Sight-testing opticians who hold diplomas and have been qualified for ten years have been included, as foreshadowed recently in the *C. & D.*

Military Tribunals' Decisions.

Since our last Report the following decisions have been notified:

Bath.—Mr. H. C. Gray, chemist and druggist, was exempted for two months and excused from joining the Volunteers. The National Service appeal for review of exemption in the case of Mr. T. E. Kingston, chemist and druggist, was allowed, Mr. Kingston to be available on November 9. A similar decision was given in the case of Mr. E. W. T. Rogers, chemist and druggist, assistant with Henry Hodder & Co., Ltd. On review, exemption was withdrawn from Mr. H. R. Cottee, chemist and druggist, assistant with Boots, Ltd., although it was urged on his behalf that his certificate, which was granted at Nottingham, could not be interfered with by another local Tribunal. The case of Mr. J. L. S. Gordon, chemist and druggist, was adjourned.

Batley.—The application of Mr. F. E. Moore, assistant with Mr. R. Broadhead, chemist and druggist, for the removal of his drill condition was adjourned pending the result of negotiations between the West Riding Insurance Committee and the National Service Representative.

Cambridge.—Mr. L. J. V. Tate, chemist and druggist, and Mr. E. E. Pratt, respectively manager and assistant with Boots, Ltd., were refused exemption.

Corwen.—Mr. J. Williams, Ph.C., was temporarily exempted to September 30 and ordered to find work of national importance.

Crewe.—Mr. J. Mayor, chemist and druggist, was exempted and was excused from Volunteer drill.

Dawlish.—The decision of the Appeal Tribunal in the case of Mr. S. R. Davis, chemist and druggist (*C. & D.*, September 14, p. 34) having been reported to the local Tribunal at a recent sitting, a member observed that it was scandalous for the Military to have appealed against the decision of that Tribunal, which was given for domestic reasons.

Dorking.—On appeal, Mr. H. Dixon, chemist and druggist, was exempted for six months.

Farnham.—On appeal, Mr. A. S. Edwards, chemist and druggist, was exempted for three months.

Grantham.—Mr. J. Cheshire, chemist and druggist, was exempted for six months.

Herne Bay.—Mr. W. P. Cole, Ph.C., and Mr. H. Pyman, chemist and druggist, were exempted to November 30.—Mr. Charles Philip, chemist and druggist, whose case was at this sitting adjourned for medical re-examination, has since received his discharge.

Marlow.—Messrs. E. G. Martin and L. H. Snow, chemists and druggists, were conditionally exempted.

Sheffield.—On appeal, Mr. F. C. Fawcher, chemist and druggist, branch manager to Mr. F. Medley, chemist and druggist, was exempted to November 15.

Shoreditch.—Messrs. H. J. Edwards, manager, and H. J. Corrick, shipping clerk, both with Sharland & Co., chemical exporters, and merchants, were exempted for six months, with Volunteer condition. Mr. W. Morton, assistant with A. P. Barnard & Son, chemists, was unconditionally exempted for six months.

Discharged Men and their Businesses.—As a result of representations by the Keighley Tribunal, the National Service authorities at Halifax have stated that "Note D of the third appendix of N.S.I. 120 (1918)" provides that where an invalided man, who before enlistment owned and conducted a one-man business, returned to and resumed that business, which had been maintained during his absence, he should be treated as though he was engaged in work of national importance.

Proprietary Articles Trade Association.

In the *C. & D.*, August 24, p. 38, we published a list of thirty-one wholesalers who have agreed to discontinue selling Elliman's Embrocation until the manufacturers resume supply to Messrs. Barclay and May, Roberts. The list has since been extended by the inclusion of the following wholesale houses: Harkness, Beaumont & Co., Leith; Macfarlane, J. F., & Co., Edinburgh; Mackay, J., & Co., Ltd., Edinburgh; McMullan, T., & Co., Victoria Street, Belfast; New Apothecaries' Co., Glasgow; Pinkerton, Gibson & Co., Edinburgh; Shaw & Hamison, Ltd., Town Hall Street, Belfast; Taylor, Jas., Glasgow. We are informed also that Taylors' Drug Co., Leeds, have agreed to support the wholesalers.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following tenders have been accepted by the bodies named:

Cranbrook Guardians.—B. W. Hair & Son, medical appliances.

Metropolitan Asylums Board.—The British Drug Houses, Ltd., drugs; Leslies, Ltd., and May, Roberts & Co., Ltd., druggists' sundries; S. Maw, Son & Sons, Ltd., W. H. Bailey & Son, Ltd., Sangers, May, Roberts & Co., Ltd., Arthur Berton, Ltd., B. Pratt & Co., and W. G. Taylor, surgical appliances, etc.; The "Samitas" Co., Ltd., and Pearson's Antiseptic Co., Ltd., disinfectants.

Wakefield Guardians.—Mr. W. Pollard, chemist and druggist, drugs and surgical appliances.

Birmingham.

Saccharose is being sold here at 4s. a pound.

The estate of the late Mr. Morris Banks, chemist, is announced for sale. Mr. Banks had a large business in the Bull Ring.

It is worthy of note that not a single specimen of honey has been displayed at any of the numerous flower-shows lately held in this locality.

There is a remarkable display of surgical appliances, etc., at the Inter-allied Exhibition opened at the Birmingham Town Hall on September 16.

A sundries traveller is solving the difficulty of transit by means of an up-to-date motor-car, with convenient arrangements for getting at his samples.

In our city no article of a poisonous nature is allowed to leave the wholesaler's counter without a written order, even if the customer calls for it himself.

The desired age for an analytical chemist's pupil appears, according to the terms of a recent advertisement in the local Press, to have dropped to fourteen years.

Pharmacists must not be alarmed when they get their acetic acid a little coloured. It is not adulteration, but contamination from the cask—the glass carboy being now (in commercial life) almost as extinct as the dodo.

A Birmingham chemist has just received from a Mr. Thomas Atkins now in Mesopotamia a copy of the "Basrah Times," containing an advertisement of a new chemist's shop and "English pharmacy." The announcement, like the rest of the paper, is printed in English.

Leeds.

Some pharmacists are holding rather large stocks of uncontrolled saccharin, which they are anxious to dispose of.

Mr. W. C. C. Taylor, pharmacist, Dewsbury Road, surely occupies a unique position in possessing two qualified daughters.

Leeds pharmacists should be able to raise quite a good golf team in normal times. Why not enter club matches with other Yorkshire towns after the war?

Mr. R. G. Shaw, Dewsbury Road, has a simple yet effective window-display of lavender-water, flowers, and soap. Mr. Shaw, although in an industrial area, finds that an attractive window pays well.

The "sister" at a big military hospital down South was greatly surprised the other day when she found that a private in the R.A.M.C. was able to do urine-analysis. As he happened to be a chemist and druggist and well up in his work there was really no need for the surprise.

The Leeds bottle-making trade is interested in a practically automatic plant in use at a Yorkshire works. Only about six men are required for a machine, which turns out thirty-six bottles a minute without variation in the shape, capacity, or weight. The samples seen are of fine quality.

Liverpool.

"Carbolic acid as a substitute for sugar" is the most original demand reported of late. The pharmacist's reply can be imagined.

Consignments sent from either Liverpool or London and clearly labelled "Urgent medical supplies" are being delivered with commendable promptitude.

Representatives of perfumery houses have arrived in Liverpool, "coming in clusters, as the nuts grow." Orders are being given liberally, despite advanced prices.

"There is a deuced lot of work but very little profit," summarises the state of the retail trade. Many customers have to be sent empty away because of the lack of articles in common request.

In ante-war days Liverpool, Manchester, and Birmingham pharmacists were wont to meet at Harrogate, but this season the profession has been scantily represented there, and the stays have been of unprecedented brevity.

Sergeant Ashworth, King's (Liverpool Regiment), who has won two distinctions at the Front, has been home on leave from France, and received a cordial welcome from many former colleagues in pharmacy. Sergeant Ashworth passed the Qualifying examination in 1907. He volunteered in 1914 while an assistant with Clay & Abraham, Ltd.

Manchester.

Cough-mixtures, hot-water bottles, and other winter requisites have begun to sell freely.

The ceremony at which the Premier received the freedom of the city of Manchester was attended by several well-known pharmacists and chemical-merchants.

Mr. F. W. Bates, J.P., while on holiday in North Wales, took the opportunity of attending a meeting of the Colwyn Bay pharmacists, at which he was able to give his views on various matters of trade interest.

Manchester panel chemists are entirely satisfied with the action of the representatives of the Pharmaceutical Committee (Messrs. Bates, Nidd, and Hershberg) in safeguarding the interests of single-shop proprietors under the present Military Service conditions. The powers that be appear perfectly satisfied with the recommendations of the Pharmaceutical Committee.

The Premier visited on September 12 the Disabled Ex-Service Men's Exhibition, referred to in last week's *C. & D.* (p. 35). He inspected, among other exhibits, a large number of photographs of facial wounds, and admired a 12 by 10 picture of 151 patients which was taken specially for the Exhibition by Mr. John Cleworth, pharmacist-photographer, by command of the authorities at one of the large military hospitals.

Salford.

The National Service Representative has accepted the list of chemists considered indispensable by the Pharmaceutical Committee, and certificates of exemption will be sent out in due course.

The Council of the Salford and District Pharmacists' Association has decided to advise the members of the Association not to sell Elliman's Embrocation until the "embroglio" question is settled.

Many samples—some in the form of private prescriptions—have recently been taken by the local authority from chemists for the purpose of analysis. (This is the third time within a year.) The prescriptions were very simple, the principal ones being: (1) Bismuth. carb. ʒiss., sodii bicarb. ʒiss., aq. ad ℥viij.; (2) Potas. brom. ʒiij., aq. chlor. ad ℥viij. The division of the bismuth mixture was done in a very unsatisfactory manner: the bottle was vigorously shaken by the inspector, and then part was guessed into two 6-oz. bottles. No attempt was made at shaking after the first time—so the bismuth would naturally be unevenly divided.

Sheffield.

Watsons', The Camera House, have taken new premises in Change Alley as a second-hand and exchange department.

The co-operative societies have brought forth an array of posters in answer to those issued by the Traders' League (*C. & D.*, September 14, p. 35). "Dora" perceives no objection apparently.

The Insurance Committee requests chemists to refuse to accept prescriptions signed by a doctor who is acting as *locum tenens* unless he also gives the name of the panel doctor for whom he is deputising.

The classes of the secondary department of the Education Committee in chemistry, pharmacy, and materia medica, which are conducted by Mr. E. Preston, Ph.C., commence on September 23. Particulars may be had from the Secretary of the Education Committee.

Miscellaneous.

POISONINGS.—Major William Soulden Oakley, Overstrand Mansions, Battersea Park, London, S.W., was found dead in a train on September 11. In his possession were salt of lemon and oxalic acid, and evidence given at the inquest showed that death was due to irritant poison. A verdict of "Suicide while of unsound mind" was returned.—Edward James Lane, bookkeeper, Hurlingham Road, Fulham, died in his sleep from excessive alcoholism accelerated by veronal poisoning.

SHOPPING HOURS.—Sir George Cave, Home Secretary, on September 13 received deputations of the Early Closing Association and National Union of Shop Assistants on the subject of shopping hours. He stated that he was impressed by the facts brought before him in favour of the compulsory closing-time being reduced from 8 to 7 P.M., but provision

must be made for facilities for the working-classes, particularly for munition workers. He sympathised with the assistants and their demand for limitation of hours of work, but Labour members of Parliament were unable to recommend earlier closing. He was in consultation with the Ministry of Labour, and it appeared that grave dissatisfaction might be caused if the hours for trading were reduced. He promised to give his decision in a few days.

Chemical-works Fatality.—An inquest was held at Poplar, on September 16, on the body of John William Heritage (29), an employé of the Nitrogen Products and Carbide Co., Ltd., Dagenham Dock, who died in the Poplar Hospital. Evidence showed that on September 10, while attempting to turn a regulating cock in a vat with a spanner the man fell from a gangway to the floor below, a distance of 12½ ft. The accident happened on the "saturating floor," where the mixing of nitrogen with other gases is carried on. Mr. Herbert E. Brown, manager of the works, stated that when passing the vat just prior to the accident he noticed fumes escaping. In answer to a question, he said that the fumes emitted would not be chiefly ammonia but a mixture of ammonia and nitric acid, and therefore not so pungent. Medical evidence was given to the effect that the deceased succumbed to fracture of the skull and general shock. The Coroner remarked that the Government inspector had described the place, after a recent visit, as "safe generally." A verdict of "Accidental death" was returned.

In the Courts.—At Lambeth Police Court, London, on September 16, Reginald Tanner, Albany Road, S.E., charged on remand with stealing and receiving paraffin-wax (*C. & D.*, September 14, p. 36), stated in evidence that he purchased the wax from a dealer with whom he had done business for two years, and had paid 10*l.* on account. He was discharged.—At Buxton (Derbyshire) recently, Thomas Franklin Wrigley (36), of Manchester and Heaton Moor, described as a manufacturing chemist, was fined 3*l.* 3*s.*, and remanded to await an escort, as an absentee under the Military Service Act. He stated that he had a conscientious objection to any form of military service.—At the Old Bailey, London, on September 13, Eva Grace Thompson, a nurse, charged with murdering two infants and with variously ill-treating others (*C. & D.*, August 3, p. 35), was ordered to be detained as a criminal lunatic during his Majesty's pleasure.—At Bow Street Police Court, London, on September 16, Henry Rowe, temporary postman, charged on remand with stealing letters containing postal orders (*C. & D.*, September 14, p. 36), pleaded guilty, and was sentenced to six months' imprisonment in the second division.

Irish News.

Brevities.

Messrs. French & Whelan will open a pharmacy at 60 Patrick Street, Cork, early in October.

Mrs. Dale, wife of Mr. J. Dale, Ph.C., Church Street, Dromore, presided last week over the stationery stall of a bazaar in Dromore in aid of the Cowan-Heron Cottage Hospital.

Mr. J. J. McHenry, Ph.C., has opened a new pharmacy at High Street, Enniskillen, co. Fermanagh. Mr. McHenry was formerly an assistant with Dr. Tiernan, Enniskillen, and was latterly in Dublin.

The Food Controller has issued an Order, which comes into operation on October 1, prohibiting the export and import of tallow and dripping between Great Britain and Ireland except under licence from the Food Controller.

Dublin wholesale druggists propose an advance in the wages of their packers, carters, etc., and an offer has been handed to the men. Chemical-manufacturers in Dublin have been served with final notices demanding increased wages for their employés: the claim is under consideration.

At a meeting of the Cork Branch of the Irish Chemists' Association, held on September 8, a letter was received from the Hon. Secretary of the Limerick Branch stating that Messrs. Blake and Coffey would represent the Limerick organisation on the recently formed Munster Executive.

During the hearing of a prosecution against a Portadown confectioner last week for charging sixpence for 2 oz. of peppermint sweets, Mr. V. Wilson, for the defence, produced a letter from the Ministry of Food which stated that medicated lozenges such as were sold by chemists were not sweetmeats within the meaning of the Sweetmeats (Confectionery) Order. Defendant was fined 1*s.*, and costs.

Scottish News.

Brevities.

A propos the growing demand by panel chemists for a war bonus, there is a growing demand for an employés' bonus also.

The new municipal buildings in Stirling present a fine appearance. Provost Raffan, chemist and druggist, has entered into possession of his civic quarters, which are beautifully furnished.

Arrangements are now complete at Stirling for the collection of sphagnum moss. A large park has been requisitioned, where the moss is dried by the wind, being kept turned by means of wooden rakes.

Dundee.

Chilblains are appearing early. White copperas is, so far, the popular domestic remedy.

Mr. G. M. Kemp, chemist and druggist, who is with Boots, Ltd., at their shop in Reform Street, will be in charge of a branch to be opened by them at Rosyth.

The Post Office is collecting a good many pennies on postcards bearing a halfpenny stamp only. If the case is doubtful the postmaster should be asked the reason for the surcharge; the penny may then be returned, accompanied by a type-written explanation of the why and the wherefore—as it was in a recent instance.

Edinburgh.

Mr. Rutherford Hill, Ph.C., was one of the speakers at a recent meeting of the Edinburgh Presbytery of the United Free Church.

A lady who purchased some strong sulphuric acid lately said she had been told to use it for ringworm—one drop of the acid mixed with ten drops of cream.

A chemist who received a few dozen photographic films a day or two before the holiday put several into the window. Not one was asked for, though for weeks previously people gave the impression that they were gasping for them.

It is becoming difficult to know what to display in the windows. A show of cartons on the strength of a limited stock is almost as unsatisfactory as an empty window; and a full display of expensive things like sponges is as bad. A local chemist contemplates putting a gross or two of corks, a few dozen dispensing-bottles, some paper, etc., in his windows, with appropriate references to their respective cost now and in pre-war days!

Scene: A gloomy interior of historic interest. An Edinburgh chemist is just about to put the cap on the lens, after giving a good thirty-minutes' exposure. A sprightly young lady enters, takes out a film camera, and snaps the shutter. "I'm afraid that's scarcely sufficient," murmurs the man timidly. "I've given a plate half an hour." "Ah," is the assured reply, after a brief glance around, "mine is one of the very latest cameras!"

Glasgow.

Private Andrew Johnston, R.E., in pre-war days a chemist's assistant in Glasgow, has been admitted to hospital suffering from mustard-gas poisoning. He is progressing satisfactorily.

Glasgow police have issued a notice to retail chemists in the city requesting them to exercise the utmost caution in supplying boys with tablets of chlorate of potash. The police state that the boys sandwich the chlorate mixed with sulphur between two pieces of slate placed on the ground. Another boy is invited to stamp on the slate, with the result that a loud explosion occurs. In one instance a boy was severely injured.

In the course of a lecture on "Russia's Resources and Trade-openings" delivered here recently by Mr. H. D. L. Minton, it was stated that Russia could supply 90 per cent. of her own requirements in mineral acids and salts. Among coal-tar products, sufficient benzol, toluol, phenol, and naphthalene was or could be produced, but alizarin products would have to be imported. Two-thirds of the dyes imported in 1913 was German. Resin, turpentine, and pitch were exported in fairly large quantities. Acetic acid, wood-spirit, and formalin were home products, but two-thirds of the acetone used was imported. Russia had twenty-eight factories for pharmaceutical products, but they were not sufficient. The soap-making industry was well established. Russian tallow was used only for the higher qualities in soaps, Australian tallow being employed for the remainder. Large quantities of sperm and vegetable oils were required for this industry.

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Pharmaceutical Society of Ireland.

Council-meeting.

A MEETING of the Council was held at 67 Lower Mount Street, Dublin, on September 10. Mr. James Michie, President of the Society, presided. The following members of the Council were also present: Messrs. G. D. Beggs, J.P. (Treasurer), Victor E. Hanna, Wm. J. Hardy, Thomas N. Moffitt, William Hanna, Richard Blair, James Tate, William Doig, G. A. McLean Lee, A. Owen Wells, W. F. Wells, Dr. J. A. Walsh, and Dr. A. J. Barnes.

VOTES OF CONDOLENCE.

The PRESIDENT referred to the loss which the Council had sustained by the death of Mr. Joseph H. Bowden. At the last meeting of the Council they had an apology from Mr. Bowden owing to illness, and he imagined that none of them for a moment suspected that it was to be his last illness. But it was, and before the end of the month he was called away. Although he was a comparatively young man, Mr. Bowden had many years' membership of that Council, and during that period he had displayed great energy in looking after the interests of the Society. He was a regular attendant at the meetings both of the Committees and of the Council, and rarely, if ever, missed an examination during the whole term of his office. He left a widow and young family to mourn his loss, and they had the sympathy of all the members in their sad loss. He also referred to the loss that had been sustained by the deaths of one of the ex-Presidents of the Society, Mr. William Hayes, and of one of their ex-colleagues, Mr. William Jamison, who had been more recently a member of the Council. Mr. Hayes was one of the founders of the Society. He originally became a member in 1875 and was continuously a member of the Council until 1895, and for five years of that time in succession he acted as President. During his presidency he did much for the Society. He devoted a great deal of his time and attention for many years to the interests of the Society. Outside the Society, too, he had very many other interests, so that his life had been a most useful and busy one. He would be sadly missed in the city of Dublin for his generosity to the poor. Mr. Jamison, although he had been in failing health for some time, had only recently given up his seat on the Council. He had reached the ripe age of eighty-four years. He had devoted himself largely to the interests of the organisation in the North of Ireland, which he represented on the Council for a number of years. The President proposed that votes of condolence be sent to the widows and families of these three gentlemen.

Mr. W. F. WELLS seconded. With reference to Mr. Bowden, he had known him from his apprenticeship. Mr. Bowden had served his time with their late ex-President, Mr. Downes, to whose business he afterwards succeeded. They all knew the energy he had put into his business. He had revived an old-fashioned business and transformed it into a good up-to-date dispensing house. He (Mr. Wells) had known Mr. Hayes longer than any other member of that Council. He had known him when he (Mr. Wells) was a very small boy, and he had come a great deal into association with him in the work of the Council from the time he joined it. He was a most energetic worker, a man who was always going about trying to do good to anybody that he could help. Mr. Hayes was the Hon. Secretary of the Chemists' Association in Dublin prior to the passing of the Pharmacy Act, and he was one of the most energetic of his colleagues on the Committee in bringing about the Act of 1875. Again, in connection with the Act of 1890, there were differences in the Council. Some were in favour of having the druggists perpetuated; others were not. Mr. Hayes was strongly of opinion that the grade ought to be perpetuated. Mr. Evans was elected President, and he and his Vice were directed to go to London to do what they could to oppose the Bill. They asked that Mr. Hayes, as taking the other side, should be sent with them, and, after a good deal of persuasion, Mr. Hayes consented to go. The three worked very harmoniously, with the result that they got the Bill very largely amended. They could have had the Bill thrown out at the end of the Session, included in the slaughter of the innocents, but for reasons which he need not go into now it was thought advisable to take the Bill as the best that they could get. Mr. Hayes afterwards gave his time to the work of the registration of the druggists, and those who were engaged in it knew that it was no small task. He (Mr. Wells) extremely regretted his death. With regard to Mr. Jamison, all of them who met him at the Council-meetings admired him for his genial presence, and for the kindly spirit that he showed amongst them. He was a good representative of the druggists.

Mr. JAMES TATE said he would like to say a word of regret with regard to the three gentlemen who had gone to reap their reward. He had the pleasure of knowing two of them personally. He had greatly admired Mr. Bowden's character. His energy was such as to strike the members of the Council, and the spirit of harmony which he displayed as a councillor and his general traits of character were such as became a gentleman. In Mr. Jamison they in the North missed a very old and valued friend. Although old in years, he was young in spirit. He had the privilege of receiving a great bonus to his three score years and ten. He represented admirably the old type of chemist and druggist, now perhaps almost extinct; but he never displayed any antipathy to either section of their craft, and was always willing to do his best for either, and he was a man of very ripe experience in his trade.

Mr. WILLIAM DOIG said he had known Mr. Hayes by name and he had known Mr. Bowden slightly. Mr. Jamison he had known for forty-five years, and they were personal friends and were very much attached to one another. He had always looked upon Mr. Jamison as one of the men whose word they could depend upon.

Mr. WM. HARDY associated himself with what had been said of Mr. Bowden, Mr. Hayes, and Mr. Jamison, and added his tribute to what had been said of Mr. Jamison. He first met Mr. Jamison when he went to serve his time, and the acquaintanceship then begun continued to the very end. He would miss him as a personal friend.

The Registrar (Mr. A. T. Ferrall) said that Mr. Bowden had passed every examination of the Society at the first attempt—the Preliminary, the Pharmaceutical Assistant, the Registered Druggist, and the Pharmaceutical Licence.

The votes of condolence were passed in silence, the members of the Council standing.

CO-OPTION OF A MEMBER.

Mr. W. F. WELLS proposed that Mr. Charles Edward Digges, Ph.C., Sandford Medical Hall, Ranelagh, Dublin, be co-opted a member of the Council in the room of the late Mr. Bowden. Mr. Digges was an active member of the Retail Drug Association. He had promised that if elected he would devote his time to the Committee work and to the other duties that would fall on him as a member of the Council.

Mr. BEGGS seconded the proposal.

Mr. DOIG opposed the proposition, as he thought this vacancy ought to be filled up by a registered druggist, because there was now only one on the Council, whereas there used to be seven. He thought, however, that there were enough Dublin men to do the Committee work.

The PRESIDENT said the custom had been to co-opt a gentleman of the same class as the member whose death had caused the vacancy.

The motion for the co-option of Mr. Digges was passed.

AUDITOR AND SCRUTINEERS.

Mr. G. A. McLean Lee was appointed an auditor, and Mr. A. Owen Wells and Mr. McLean Lee were appointed scrutineers of the ballot.

BREACHES OF THE PHARMACY ACTS.

The Registrar submitted a letter from the Under-Secretary, Dublin Castle, intimating that in the case of Mr. E. Rodgers, general merchant, of Scariff, co. Clare, who had been prosecuted by the Society for breaches of the Pharmacy Acts arising out of the sale of sheep-dip, the Lords Justices had decided that the law must take its course. Mr. Rodgers had been fined four sums of 5*l.* and two of 2*s.* 6*d.* each, making, with the costs he had been ordered to pay, 21*l.* 15*s.* However, the solicitor for the Society undertook that if paid within seven days he would accept 10*l.* 10*s.* in full satisfaction. The 10*l.* 10*s.* was paid, and Mr. Rodgers, in his memorial to the Lord Lieutenant, asked that some of it should be remitted.

DEATHS.

The Royal Irish Constabulary reported that Mr. John Raitt, R.D., Stranorlax, had been dead for upwards of six years.

The Registrar submitted a certificate of the death of Dr. J. Purser Allen, Ph.C., Dublin.

Mr. R. A. Jones, M.P.S.I., wrote reporting the death of his father, Mr. Robert Alexander Jones, Ph.C., of Warrenpoint, in his eighty-first year. "Though he was pretty helpless," wrote Mr. Jones, "for the last few years, he was always quite happy, and settled down to his altered life with great peace of mind."

APPOINTMENT OF PROFESSORS.

Dr. Mather Thomson, M.P.S.I., wrote that although he has returned from active service, he will not be able to

act as Professor of Materia Medica during the war. He therefore asked to be allowed to resign his position.

On the recommendation of the School Committee, Mr. W. Hopkins Ashmore was appointed to the position vacated by the resignation of Dr. Thomson.

Mr. Harold Norminton, M.Sc., was appointed to the vacant position of Professor of Practical Chemistry.

PRELIMINARY REGISTRATION.

Mr. John Dillon, of Rockfield, Claremorris, co. Mayo, who submitted a certificate from the Intermediate Education Board, was admitted to Preliminary registration.

CHANGES OF ADDRESS.

Communications were received from the following, notifying changes of address:

Mr. Hatchell Whitby, Ph.C., to Homefield, Palmerston Gardens, Rathmines, Dublin; Mr. M. J. Keeting, Ph.C., from The Pharmacy, Carrick-on-Shannon, to the Medical Hall, New Street, Ballaghadereen; and Mr. F. A. Brady, Ph.C., from Oldeastle, co. Meath, to 12 Upper Camden Street, Dublin.

REPORTS OF EXAMINERS.

The Registrar submitted reports from the Examiners upon the Preliminary, Pharmaceutical Licence, Pharmaceutical Assistant, and Registered Druggist examinations. Thirty-three candidates presented themselves for the Preliminary examination, of whom nineteen passed, two with honours. For the Pharmaceutical Licence examination twenty-three candidates presented themselves, of whom ten passed, two with honours. Two candidates presented themselves for the Pharmaceutical Assistant examination, and both passed. For the Registered Druggist examination five candidates presented themselves, of whom two passed.

Reports from the Law Committee, the House Committee, and the School Committee were adopted.

SEALING OF THE PHARMACEUTICAL LICENCES.

The following pharmaceutical licences were sealed:

Messrs. W. M. Birmingham, D. J. Brolly, R. D. Clarke, J. Gubbins, J. V. McKeever, D. A. O'Connell, J. O'Connor, W. J. O'Donnell, G. W. Sleetor, and A. Steede.

MEMBERS ELECTED.

The following were elected members:

Mr. Robert Irwin Eeeles, The Athy Pharmacy, The Square, Athy; Mr. Philip Joseph Fox, The Medical Hall, Tramore, co. Waterford; Mr. Richard Linahan, Archdene, Earlswood Road, Strandtown, Belfast; Mr. James Louden, Bridge Street, Donaghadee, co. Down; Mr. Wm. Joseph Molony, Clonmucken, Limerick; and Mr. Peter Ronaghan, 2 Dyke Parade, Cork.

ASSOCIATE DRUGGISTS ELECTED.

The following were elected as Associate Druggists:

Mr. James Guthrie, 271 York Street, Belfast; Mr. John Long, 2 Castlereagh Road, Belfast; Mr. Wm. Martin, 181 Antrim Road, Belfast; Mr. Wm. John Bushby, 29 Ann Street, Belfast; Mr. Samuel McDowell, 253 Shankill Road, Belfast; Mr. Alexander McMurray, 132 Grosvenor Road, Belfast; Mr. David Manson, 79 Peter's Hill, Belfast; Mr. David Anderson Taylor, 117 Divis Street, Belfast; and Mr. Thomas Unsworth, Ballynahinch, co. Down.

NOMINATIONS.

Messrs. Andrew Wilson, Ph.C., Wm. M. Birmingham, Wm. J. Burke, C. Doorly, M. McDonald, W. J. Moore, T. J. Reddy, Wm. Robinson, and Philip Ryan were nominated for membership.

Mr. JAMES TATE proposed, and Mr. DOIG seconded, the nomination of the following as Associate Druggists:

Mr. Joseph Moffet, R.D., 225 Donegall Road, Belfast; Mr. Robert Hastings, R.D., Newcastle, co. Down; Dr. S. E. Acheson, chemist and druggist, 62 Cromac Street, Belfast; Mr. H. C. Backhouse, R.D., Clanbrassil Street, Dundalk; Mr. James MacCormac, R.D., 12 Corporation Street, Belfast; Mr. J. A. McRoberts, R.D., 79 Ormeau Road, Belfast; Mrs. Annie Leavy, R.D., Castleblayney; Mr. D. J. Atcheson, R.D., The Drug Hall, Cookstown; Mr. Robert Kells, R.D., 90 Albertbridge Road, Belfast; Mr. F. W. Dodds, R.D., Crumlin, co. Antrim; and Mr. James Macauley, R.D., 18-20 Holywood Road, Belfast.

Mr. Tate said that these eleven names, in addition to those now added to their list of Associate Druggists, would make thirty-three new names of registered druggists and chemists and druggists added to their list of associate members within the last two or three months.

LAW COSTS.

Mr. BEGGS said he wished to draw attention to the large amount the Society had to spend in law costs. Their prosecutions during the year cost close on 280*l.*, and out of this they only received a comparatively small sum in fines.

PARAGUAYAN PETITGRAIN OIL.—The chief article of direct export from Paraguay to the United States is oil of petitgrain, the shipments in 1916 being 33,680 lb. (12,000*l.*), compared with 23,040 lb. (7,000*l.*) in 1915. Prior to the war France was the principal market for the exports from Paraguay.

Legal Reports.

Mineral Oil as Food.—At the Guildhall, London, on September 17, Bertus Gast, a Dutchman, carrying on business at St. John Street, Smithfield, was summoned by the Board of Agriculture and Fisheries for selling as dripping a substance which contained 30 per cent. of mineral oil. Dr. F. L. Teague, the analyst, said the eating of the substance sold might be attended with diarrhœa and sickness. Defendant, who said he did not know the composition of the dripping, was fined 20*l.*, and 15*l.* costs.

Soap Samples.—In the City of London Court on September 11, before his Honour Judge Atherley-Jones, K.C., Mr. F. J. Marner, soap-merchant, trading as Jas. Marse & Co., 83 Farringdon Street, London, E.C., sued Mr. A. Dedyn, 27 Victoria Road, Upper Norwood, for 15*s.* 11*s.* 2*d.* for samples of fancy soap supplied. The defence was that the samples were free and were supplied so as to obtain orders for soap in that part of Belgium which is unoccupied by the enemy. Judge Atherley-Jones said he could not accept the idea that an Englishman would send 16*l.* worth of soap as samples to Belgium on the understanding that they might be paid for or might not. Dealing in a commercial court with a commercial transaction, he could not disregard all the rules which governed such matters without very cogent evidence, and therefore he found for the plaintiff, with costs.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

NEW NITROGEN SYNDICATE, LTD. (P.C.).—Capital, 25,000*l.* Objects: To acquire patents and rights relating to the use of nitrogen and other gases and the manufacture and development of products and compounds thereof, and of nitrogenous substances of all kinds, etc. Solicitors: Linklater & Co., 2 Bond Court, Walbrook, London, E.C.

COLLEGE OF AMBULANCE, LTD. (P.C.).—Registered as a company limited by guarantee, with an unlimited number of members, each liable for 1*l.*, to carry on the business as indicated by the title. The first members of the Council are: Sir R. J. Godlee, Bart., President; R. Littlejohn, A. Neilson, J. D. Grant, Lady Mabel B. Cantlie, Miss H. H. McKenzie, W. Pritchard, Sir J. Cantlie, and J. Y. W. MacAlister.

NATIONAL DRUG CO., LTD.—Mr. G. E. Corfield, Balfour House, Finsbury Pavement, E.C., ceased to act as receiver or manager on September 5.

JOINT-STOCK COMPANIES.—Notice is given in the "London Gazette" that the following companies will, unless cause is shown to the contrary, be struck off the Register and the companies be dissolved after December 13: Association of Physicians and Surgeons of the Society of Apothecaries, Ltd.; Curative Electricity Co.; Robinson's English and Foreign Chemists and Druggists, Ltd.; Thames Alkaloid Manufacturing Co., Ltd.; Walton's Drug Co., Ltd.

Gazette.

Bankruptcy Acts.

ADJUDICATION.

POWELL, W. G., Hants County Asylum, Knowle, Fareham, and High Street, Fordingbridge, Hants, chemist.

Business Changes.

MR. WESLEY W. HARRISON, chemist and druggist, Harrogate, has purchased the pharmacy of the late Mr. F. R. Broumpton, 20 Walpole Gardens, Chiswick, London, W.

MR. L. A. MANGOLD, formerly connected with Wilson & Co., 5 Bevis Marks, E.C. 3, has established himself in business as a drug and chemical merchant at 17 Harp Lane, London, E.C. 3.

Births.

DRAPER.—At Duffryn Terrace, New Tredegar, on September 12, the wife of Edward J. Draper, chemist and druggist, of a son.

LESCHER.—At St. Hilda, 352 Finchley Road, Hampstead, on September 15, the wife of T. Edward Lescher, of a daughter.

Marriages.

CHAMBERS—CORRY.—At Trinity Presbyterian Church, Letterkenny, on September 4, by the Rev. Ross Millar, Robert Laird Chambers, L.P.S.I., Lisburn, second son of the late Mr. Joseph Chambers, and of Mrs. Chambers, Fortview, Drumiller, Dromore, co. Down, to Mary Wilson Corry, L.P.S.I., only daughter of the late Mr. William Corry, Bohwil, and of Mrs. Corry, Scotch House, Letterkenny, co. Donegal.

DAVIES—PHILLIPS.—At Cyfarthfa Church, on September 10, W. A. Davies, youngest son of Mr. Davies (Thomas Davies & Son, chemists, Rhymney), to Margaret, youngest daughter of Alderman D. Phillips, Brynawel, Merthyr Tydfil.

HARTLEY—ANGLIN.—At Colne Parish Church, on September 12, Fred Hartley, chemist and druggist (Hartleys, chemists, Burnley, Nelson, and Accrington), to Gladys Field, daughter of the late Mr. J. F. Anglin, Cork.

SAVAGE—TEBBS.—At St. Peter's Catholic Church, Hove, on September 18, by the Rev. E. Moodie, George Bernard Savage, Ph.C., second son of Councillor W. W. Savage, Ph.C., Brighton, to Edith, eldest daughter of Mr. C. S. Tebbs, 7 Carlisle Road, Hove.

Deaths.

FOSTER.—Recently, Alderman Sir Tom Scott Foster, chemist and druggist, L.D.S., F.P.S.Glasg., aged seventy-three. Sir Scott Foster was one of three brothers, all chemists, who were members of the Portsmouth Town Council at the same time. Two of them filled the office of Mayor; in Sir Scott Foster's case the chair was occupied three times, and the borough showed its appreciation of his services by conferring its honorary freedom upon him. He was in business as a chemist and druggist before August 1, 1868, but in later years devoted himself entirely to dentistry. In 1911 he extended his mayoral hospitality to the members of the British Pharmaceutical Conference and those of the British Association; in October of the same year he received the honour of knighthood. For eighteen years he was Chairman of the Finance Committee of the Corporation, and was instrumental in inducing the borough to engage in several forms of municipal enterprise. One brother, Mr. Ferdinand Green Foster, chemist and druggist, survives him.

SIR SCOTT FOSTER.

PETTIGREW.—At 7 Stanley Street, Glasgow, on September 8, Mr. John Wesley Pettigrew, chemist and druggist, aged seventy-five. Mr. Pettigrew was in business before August 1, 1868.

Died on Service.

CORNWELL.—Private Eric Cornwell, North Staffordshire Regiment, has been killed in action. Private Cornwell, who was the only son of Mr. T. C. Cornwell, Ph.C., Hanley, Staffs, had been officially "missing" since March 21. He went out to France last December.

EARLE.—Lieutenant Cecric Earle, the only son of Mr. E. Haworth Earle, chemist and druggist, King Edward Street, Hull, was killed in action on September 3, aged twenty. Lieutenant Earle enlisted soon after the outbreak of war, and was granted a commission at the age of seventeen. He had been twice wounded.

HERD.—Lance-Corporal John William Herd, Royal West Surrey Regiment, has been killed in action. Lance-Corporal Herd served his apprenticeship in pharmacy with Mr. F. R. Stent, chemist and druggist, Bath. He had been in France about five months.

LINDLEY.—Second-Lieutenant Foster Lindley, East Yorkshire Regiment, has died of wounds received in action. Second-Lieutenant Lindley, who in civil life was with Mr. J. C. Hall, chemist and druggist, Blackpool, passed the Qualifying examination in 1911.

PARKER.—Captain Thomas Parker, Essex Regiment, has been killed in action, aged twenty-four. Captain Parker was the third son of Mr. Thomas Parker, chemist and druggist, late of Fishergate, Preston, Lancs.

SHIRES.—Private Walter Shires, Duke of Wellington's West Riding Regiment, has died of wounds received in action. In civil life Private Shires was with the Yorkshire Dyeware and Chemical Co., Ltd., Leeds.

Personalities.

MR. P. S. FLINT, chemist and druggist, branch manager to H. J. Gratte & Son, chemists, Newport (Mon.), has been appointed a teacher of pharmacy at the Newport Technical Institute.

AT THE MEETING of the Provincial Grand Lodge of Cheshire, held at Northwich on September 11, Mr. J. H. Battley (representative of Smith & Co., 132 Borough, London, S.E.), was appointed Provincial Grand Pursuivant for the ensuing twelve months.

MR. W. P. BOWMAN (proprietor of Goodall, Backhouse & Co., Leeds) and Mrs. Bowman have been the recipients of a memento from the office- and warehouse-staff in the form of a silver cake-stand and dishes, on the occasion of their silver wedding. The representative staff took advantage of the event to make a presentation of silver candlesticks.

MR. WILLIAM BENNETT, chemist and druggist, "Glendale," York Road, Guildford, has been officially approved as the Labour candidate for the Guildford Division at the next Parliamentary election. Mr. Bennett, who was born at Oakhill, Somersetshire, passed the Qualifying examination in 1896. He went to Guildford five years ago as manager to Timothy White Co., Ltd., but has now relinquished that position. Since taking up his residence at Guildford Mr. Bennett has been Secretary of the local Trades and Labour Council. He is also a member of the borough Food Control Committee and of the Guildford Housing Conference, and is an overseer of the poor. He was recently the principal speaker at a mass meeting convened on the question of food prices.

MR. G. CLARIDGE DRUCE, Ph.C., Oxford, recently dealt with the formation of the Northamptonshire Natural History Society in a paper read before that Society. The following pleasant recollection of the local Pharmaceutical Association will interest *C. & D.* readers: "In 1871 I had been one of the founders of the Northampton Chemists' Assistants' and Apprentices' Association, which became a very successful institution, blossoming out in 1873 to the Northampton Pharmaceutical Association, of which Mr. H. J. Masters was President, the office of Secretary being filled by myself. One of its most successful branches was field botany, and the excursions to Olney and Castle Ashby in that year proved of more than passing interest. We had three evening meetings, 8.30-10 P.M., each week to teach materia medica (O. Wallis), botany (G. C. Osborne), pharmacy (Mr. Lance), prescriptions (H. Kemp), practical chemistry (G. C. Druce). The curriculum and business arrangements were singled out, by the Pharmaceutical Society of Great Britain, as models for other Associations to copy. In passing, one may add that a very large percentage of those taking part in the Association became distinguished pharmacists, one of them filling the chair of the British Pharmaceutical Conference for two years and serving for ten years as examiner in London. Another (Mr. Evans) became head of the most important pharmacy (Sinimberghi's) in Rome; another (F. W. Branson) the principal of the most important wholesale firm of chemists in Leeds. Yet another (H. J. Kemp) occupies a similar position in Manchester. In looking over the list of original members, one notices, although many died young, only one who did not become successful."

AMERICAN DRUGS FOR DENMARK.—A shipment of drugs and medicines arrived from the United States a short time ago, which greatly alleviated the shortage of certain medicaments. Considerable quantities of medicinal drugs and chemicals, including mercury, have also been promised by Germany.

Trade Notes.

Sea-tangle Tents made in England are advertised by Mr. E. Brasse, Culvert Works, Culvert Road, South Tottenham, London, N. 15.

Wyona Goods.—The special offer made this week by the Ni-Verre Chemical Co., 5, 6, and 7 Ormeau Avenue, Belfast, concerns Wyona hair-tonic and Wyona hair-shampoo.

White Cotton Twine.—Ford, Shapland & Co., Ltd., Great Turnstile, London, W.C. 1, inform us that they are in a position to supply white cotton twine (which some chemists have a difficulty in obtaining) in any quantity at 4*s.* lb. (in ¼-lb. and ½-lb. balls), carriage paid.

Rat-extermination.—The Ministry of Food has issued an appeal to local authorities to take in hand the extermination of rats, so as to conserve the food-supply of the country. Evans Sons Lescher & Webb, Ltd., Liverpool, remind *C. & D.* readers that the Liverpool Virus, which is at present in exceptional demand, is a profitable article of retail sale to the chemist.

Invincible Razors.—S. Maw, Son & Sons, Ltd., 7/11 Aldersgate Street, London, E.C., refer on "Maw's Page" to two new "Invincible" razors. These are gilt and fitted in leather-covered or solid leather cases. The demand for these razors by the Army and Navy is very great—the safety pattern looks like achieving the ascendency. "Invincible" razors are a good line for chemists' trade.

Price's Perfumes.—Price's Patent Candle Co., Ltd., Battersea, London, S.W. 11, send us a charmingly produced showcard which is distributed to chemists as an advertisement of the company's perfumes. The card measures 15 by 8 in., the greater part being occupied by a dainty scene, in colours, showing a lady tripping along amidst a profusion of flowers. Along the bottom of the card are the words, "Price's Dainty Perfumes," but not so prominent as to distract the attention from the picture.

French Manufactures.—The Association Nationale D'Expansion Economique, 23 Avenue de Messine, Paris, and 153 Queen Victoria Street, London, E.C. 4, has issued a substantial volume entitled "Index to French Production," the object of which is to extend the knowledge of French industries. The work is divided into two parts, Part I. dealing generally with the various industries, while Part II. gives the names and addresses of the manufacturers who have specialised in each branch of national activity. In Part II. the industries are dealt with in eleven distinct sections, that lettered "F" being devoted to the rubber trade, leather trade, chemical trade, pharmaceutical products, and perfumery. The Index is sold at 6*s.*

Vitafact.—An important therapeutic advance is exhibited in the production of Vitafact pulverettes and Vitafact salt, samples of which have been sent us by Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C. 4. Vitafact is an extract containing vitamines, intended as an addition to ordinary foods to supply the essential nutritive element the importance of which has only been appreciated of late years. The Vitafact pulverettes contain the average amount required as an addition to the meal of an ordinary person. Vitafact salt is a combination of Vitafact with salt, and is intended to be employed in place of ordinary table-salt. The pulverettes are supplied in bottles of a hundred, and the Vitafact salt in impermeable pulp packages.

Wills.

Mr. Joseph Nicholson, chemical manufacturer, Wheatfield, Headingley, has left a fortune of the value of 161,549*l.* 1*s.* 8*d.*, the net personalty being 75,437*l.* 3*s.* 9*d.*

Dr. Frederick Thomas Roberts, F.R.C.P., 95 Northgate, Regent's Park, London, N.W., left estate valued at 10,374*l.* 14*s.* 11*d.* gross, with net personalty 10,281*l.* 0*s.* 5*d.*

Mr. John Bletsoe, chemist and druggist, 16 The Green, Richmond, Surrey, who died on July 29, left estate of the gross value of 7,664*l.* 1*s.* 9*d.*, of which 7,572*l.* 4*s.* is net personalty.

Mr. Henry Macnaughton Jones, M.D., F.R.C.S.I. and E., 6 Ravenscroft Park, High Barnet, who died on April 26, left estate valued at 5,971*l.* 1*s.* 6*d.* gross, with net personalty 4,467*l.* 2*s.* 11*d.*

Mr. Thomas Bellamy Cattell, chemist and druggist, 22 High Street, Sutton Coldfield, who died on July 26, left estate of the gross value of 2,043*l.* 0*s.* 1*d.* gross, with net personalty 1,617*l.* 16*s.* 4*d.*

Mr. William James McCulloch Ettles, M.D., F.R.C.S., 114a Harley Street, London, W., and of West Wittering, Sussex, who died on July 19, left estate of the gross value of 18,497*l.* 13*s.* 1*d.*, of which 18,235*l.* 18*s.* 3*d.* is net personalty.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(*From "The Trade-marks Journal," September 11, 1918.*)

"Argonite" and flame device; for a chemical fuel economiser (1) and for all goods (4). By Argonite, Ltd., 79 Mark Lane, E.C. 3. 382,556/7. (Associated.)

"Synthene"; for medicinal chemicals (3). By Sarah H. Maconochie, 128 High Holborn, W.C. 1. 384,166. (Associated.)

"Syko Brand Ointment"; for an ointment for wounds, etc. (3). By The Ni-Verre Chemical Co., 5-7 Ormeau Avenue, Belfast. 384,280.

"Augwin"; for medicinal chemicals (3) and for surgical instruments, etc. (11). By A. Winterbottom, 16 Sloane Street, Chelsea, S.W. 1. 384,392/3. (Associated.)

"Pituitin Brand Posterior-Pituitary Solution"; for a pituitary liquid for hypodermic injections (3). By Allen & Hanburys, Ltd., 37 Lombard Street, E.C. 3. 384,472.

"Ygbar"; for goods (2. By Young & Barraclough, Ltd., Water Lane, Leeds. 383,884.

"Syntax"; for food-substances (42). By Gordon, Walker & Co., Ltd., Warple Way, Acton Vale, W. 3. 384,092.

"Lowtempol" and "Lowtempolene"; for all goods (47). By Low Temperature Carbonisation, Ltd., 62 London Wall, E.C. 2. 384,428/9. (Associated.)

"Kilsed"; for perfumed sachets (48). By C. Selz, 77 Clarence Gate Gardens, Regent's Park, N.W. 1. 384,202.

(*From "The Trade-marks Journal," September 18, 1918.*)

"Brunolinum Plantarium"; for chemicals (2). By Hope, Hartope & Co., 26 Billiter Buildings, E.C. 3. 383,849.

"Mercarsan Brand Mercury-Arsenic Preparation"; for medicinal salts of mercury and arsenic. By P. Corbière, 27 Rue Desrenaudes, Paris. 383,853.

"Biostannol Brand a Pharmaceutical Product." "Coumarol Brand a Pharmaceutical Product"; for medicines (3). By J. G. Gordon and E. E. Gumpert, 48 Mortimer Street, Cavendish Square, W. 1. 384,183/4.

"Salvita"; for breathing apparatus, etc. By Siebe, Gorman & Co., Ltd., 187 Westminster Bridge Road, S.E. 1. 383,421. (Associated.)

"Spic-Ebbo"; for all goods (42). By F. H. Lockyer Supply Co., Ltd., 56 Arley Street, Liverpool. 382,417.

"Greyhound"; for goods (42). By Williams & Son, 21 Bellevue Street, Swansea. 383,954.

Label devices, including flag and bull's head; for mustard (42). By J. & J. Colman, Ltd., Carrow Works, Norwich. 384,094/5. (Associated.)

"Kitsonia"; for food-substances (42). By L. J. Kitson, 34 Kemp Street, Brighton. 384,672.

"Foodelisse"; for food-substances (42). By J. Pascall, Ltd., 100 Blackfriars Road, S.E. 1. 384,706.

"Voleraso," for a cloth-cleaning preparation (47); "Volnutrio," for a leather-preserving preparation (50). By W. Nall, 41 Dale Street, Milnrow, Lancs. 384,542/544.

"Kasternol"; for oils, etc. (47). By Sterns, Ltd., 16 Finsbury Square, E.C. 2. 384,797.

"Mardonia"; for perfumery, etc. (48). By J. Margerison & Co., Leighton Street, Preston. 384,486.

"Ambroseme"; for perfumery, etc. (48). By The Chemists' Manufacturing Co., Ltd., Trundley's Road, Deptford, S.E. 8. 384,605.

"Naps"; for polishes, etc. (50). By W. Harwood, 38 Meadow Lane, Blackburn. 383,621.

"Loo-Loo"; for polishes, etc. (50). By A. Carreras, 207 King Street, Hammersmith, W. 6. 384,663.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

177/24. "Vedamite"
157/38. "International" stock-food
172/24. Novaspirin (chemical equivalent): makers
175/21. Xanthodrol
164/57. Gower's green pills
171/31. "Warwick" bandage
172/22. Karmoids.
173/24. Talcum powder tins: supplies
182/11. "Globe" ear-phone: makers.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4:

Gallic acid (makers), 169/31
Gluten flour, 175/20
Grape jelly, 161/49
Grimault's syrup, 175/23
Hellebore powder, 17/1
"Hemaboloids," 174/16
"Homocea," 165/64
Iron succinate, 171/26 and 165/65
Linen bags, sample, 179/7
"Little Kitchener" stove, 162/25
Nail-files (metal), 167/14
Neurilla, 172/26
Pine wool, 171/10
Pitglandin, 177/43
Porridge-presses, 171/24
Potassium chromate, 67/45
Poudre nildé, 167/14
Radiographic work, 170/44
Santal Midy, 169/54
Sejourner's anti-diabetic pills, 172/27
Senna-leaves, 174/15
Tannic acid, 169/31
Tansyroyal tablets, 161/36
"Thialion," 175/20
Ticket-writer, 174/18

Observations and Reflections.

By Xrayser II.

Local Association

or Pharmaceutical Committee—which is the better unit of "Federation in Pharmacy"? Mr. Wolff and Mr. Humphrey say the latter, but the sense of the meeting of the East Anglia Federation at which the question was discussed proved to be against them, and I am inclined to think the meeting was right. The great objection to the Association as unit appears to be that it does not consist exclusively of chemists and drnggists in retail business, but it seems to me a much greater objection to the Committee that it represents only panel chemists. This is evidently felt to be an objection by the advocates of this unit, and they meet it by a suggestion that non-panel chemists might in some way or other be included as a supplement to the nnit, which in that case would not be a true unit at all. This anomaly may be of slight importance, bnt it is an anomaly. More than that, it leaves the panel chemist in what might prove to be a dangerous, and is certainly an unfair, supremacy.

The Committees

are much more likely than the Associations to take a narrow view of the function of the Federation. Our interests are not bounded by our Insurance contracts, but these do tend to contract our outlook. The Associations directly represent all our interests, including those of panel chemists, but this is not equally true of the Committees. And the fact urged against the Associations—that they are not composed exclusively of retail proprietors—is really a point in their favour. There is not an active member of any Association who does not share in the interests of all; no single interest is hostile to any other, but all have this in common—that they are the interests of pharmacy as a whole. Moreover, the Associations have an historical position which the Committees have not. They were not called into existence to meet a sudden, and possibly a temporary, need; they are permanent institutions of old standing and inestimable value; nothing should be done to lessen their importance, for they have long been and still are the surest bond of union that we have. Properly federated they would unite us still more closely, and as nothing else can.

The Question, "Does Dispensing Pay?"

is not answered by saying that it does not pay as well as it ought to do, or as well as some other things do. Regard being had to the time it occupies and the responsibility it involves, it pays very much less than much of our purely retail business, bnt before saying whether it pays or not we mnst ask several other questions. Does it bring other business? Does it enable us to get a better profit on other business than we should otherwise be likely to get? Is not the fact that we are dispensing chemists a considerable business asset in many ways? And does it not, apart even from such considerations, add to our income from business such a snm as is worth the labour and time spent over it, and which would probably be spent less profitably without it? I have had experience in businesses which included dispensing in very different proportions, but whatever the proportion of dispensing might be I have known none in which it would not have been untrue to answer any of these questions in the negative.

Memorandum R. 224

on "Volunteer Force," issued recently by the Local Government Board for the instruction of local Tribunals, has a paragraph to the effect that "practising pharmaceutical chemists" are not appropriate persons to undertake "the Volunteer obligation." We are now officially informed (by our Society) that "pharmaceutical chemists" here means, "of course," all registered chemists and druggists in actual practice as dispensers, etc. If this be so, it shows (equally "of course") the absurdity of the titular distinction between the two classes of pharmacists, and the folly of the Society's fifty-year-long fight for its maintenance. By the Pharmacy Act, 1852, all persons who after examination had obtained a certificate of qualification were entitled to registration as pharmaceutical chemists; apparently they are still regarded as such by Government, and such they ought to be. Only a childish jealousy stands in the way of a return to the original and logical state of things. I have always contended for this act of commonsense, which is the obvious way out of several of our difficulties.

Aloes

has, I believe always been regarded as a vulnerary, though this was not its chief use. Lemery says that applied externally it resists corruption. Friar's balsam, it is true, contains but a small proportion: the tincture of myrrh and aloes of the Edinburgh Pharmacopœia, of which Brookes says, "This is very good, used externally for Wounds, Ulcers, &c.," was a more important preparation in this respect, as we learn from Quincy, who says of aloes: "It is of great account amongst Surgeons, in the Tincture of Myrrh, for external intentions." The Edinburgh book had also an Elixir Proprietatis, which, in addition to aloes and myrrh, contained oil of tartar and saffron. This was adopted by the London College under the name of Tinct. Aloes Co. (the oil of tartar being omitted), and I remember a time in which it was in considerable demand as a vulnerary in veterinary practice. In Professor Henslow's "Medical Works of the Fourteenth Century" there is a recipe for an ointment of aloes and opium. "For a man that hath lost his syght alto-gedere," which is declared to be efficacious.

"The Panel Doctor,"

by T. M. Tibbetts, M.D., of which a second edition has just been issued by John Bale, Sons, & Danielsson, London, is written primarily for medical practitioners, and has therefore only a secondary interest for chemists. For them too, however, it is worth the half-crown it costs, since it is necessary to know precisely how the practitioner is affected by the Act before we can determine accurately how it affects us in relation to him. The manual, though it omits the more intricate details of the financing, etc., of the Act, is a full and fair statement of the doctor's duties and difficulties under it; it is entirely non-polemical and free from undue professional bias, though it points out a few flaws in the Act and suggests a few very desirable amendments in its administration, especially with regard to sanatorium and maternity benefits. The advice given to practitioners how to act in doubtful and difficult cases is always sound, and such as tends to the avoidance of friction and the proper adjustment of conflicting interests. It is a little strange that in the list of Committees there is no mention of Pharmaceutical Committees, though, as appears from a note to an Appendix, these have still some slight bearing on the interests of the doctor. Dr. Tibbetts shows that in addition to his strictly medical duties the panel doctor has a good deal of clerical work to do before he earns his fee, but the shrinkage of income he suffers from causes other than the enlistment of possible patients (which is temporary) seems to be a little over-estimated.

Elderberries

are not, like blackberries, nsed as a food, but as a flavonring, at any rate, if for no other purpose, they are well worth the attention of the pharmacist. Syrup of elderberries is popularly used for this purpose, and for colds, and both this and the rob were once official with us (as I believe they still are in Holland), the rob being the older of the two, and the one that retained its place longer in our Pnarmacopœia. In 1783 its name was changed to Succus Sambnci spissatus, and in 1809 it disappeared altogether. Brookes in 1775 strongly recommended it as a "saponaceous Resolvent" promoting "the natural Secretions by Stool, Urine, and Sweat," and, diluted with water, for common colds. John Wesley, in his "Primitive Physick," directs it to be taken in broth, and in Germany it is used as an ingredient in soups. As for elderberry wine, there is no need to sing its praises. I do not think I have seen such a profusion of elderberries as this year.

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An announcement of particular interest to you appears in this issue on page 2.

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Editorial Articles.

War Benevolence.

It will be remembered that last January, at the Council-meeting of the Pharmaceutical Society, Mr. Skinner urged the consideration of the question of the re-absorption into pharmaceutical life of demobilised men, one aspect of which is the provision of financial aid. Mr. Skinner had in view chiefly the effect upon the assistants of the suspension of their preparations for the Qualifying examination, and he suggested that modifications suited to the circumstances might be introduced. He also dealt with the financial loss which many chemists would have sustained through closing their pharmacies on joining the Army. The matter came up again at the August meeting of the Council of the Pharmaceutical Society, and it was resolved to deal with the financial question by raising a special fund from which aid could be granted. The registration of the Fund has now been effected. It is to be called the War Auxiliary Benevolent Fund, and this week a circular explaining the objects has been sent by the Pharmaceutical Society to all local Associations. It ought to be mentioned that a generous donation from the Leeds Pharmacists' Association had the effect of bringing the movement quickly to the fore, the Council apparently recognising from this visible sign that the response from the trade was likely to be on a generous scale. The members of Council have also shown their sympathy by liberal donations. As many of our readers are aware, the Benevolent Fund of the Pharmaceutical Society was established in accordance with the Charter of Incorporation, but whilst the Society was a voluntary body the funds were naturally applied only to the relief of its own members and associates. During the negotiations which preceded the passing of the Pharmacy Act, 1868, it was agreed to hand over to the Society the Benevolent Fund established by the Society of Chemists and Druggists on condition that the fund was devoted to the relief of distressed chemists, their widows and orphans, without distinguishing those who were members of the Society.

Since then an additional fund has been inaugurated for the orphans of members of the Society. The Benevolent Fund, it will be seen, is limited in its application to qualified chemists and their dependants, but the war has given the best of reasons for including undergraduate apprentices and assistants who have served the country, and has accentuated the limitations of the original Fund. The inauguration of the War Auxiliary Fund enables these cases to be dealt with, and it will also prevent the crippling of the resources of the Benevolent Fund, which in peace-time could only just meet the demands made upon it. The text of the circular letter sent to local Associations is given on another page in this issue. It should be emphasised that the object of the Fund is not to relieve the State of its liabilities to disabled and demobilised men, but to supplement Government grants in suitable cases. The circular letter is, we understand, to be supplemented by definite suggestions to local Associations as to the organisation of subscriptions, and the objects of the Fund will probably be defined more exactly. We commend the Fund to the consideration of the drug-trade, and we feel sure the response will be generous now that the Fund is placed on a wide basis.

Overseas Trade in August.

The Board of Trade Returns for August were rather more favourable than those for July as regards the adverse balance of trade, the increase in imports amounting to only 9,678,000*l.*, against 19,067,000*l.* in July, while the decline in exports of 6,281,000*l.* is only about 100,000*l.* larger than in the preceding month. The August imports were valued at 110,235,000*l.*, the exports at 43,522,000*l.*, and the re-exports at 2,777,000*l.* Last month we purchased 8,816,000*l.* more of foodstuffs, there being a remarkable increase of 2,254,000*l.* in the importations of tobacco; raw materials increased by only 795,000*l.*, but there was a substantial gain in oil-seeds, nuts, gums, oils, etc., which record a rise of 5,495,000*l.*, or over two-thirds, compared with August last year: particulars of these imports are suppressed, so no conclusions can be drawn. Our imports of manufactured goods rose by 273,000*l.* to practically 24 millions sterling, among them being an increase in chemicals, drugs, and the like by 1,543,000*l.* to 4,225,000*l.* The bulk of this expansion is due to larger purchases of calcium carbide, saltpetre, brimstone, cutch, and sumach, the last-named having doubled in quantity. Only 75,264 oz. of quinine was brought in, compared with 674,182 oz. in August 1917; on the eight months' working the decrease in imports of this chemical is 1,759,594 oz., which is somewhat alarming, but we should not be surprised if the figures improved during the remainder of the year. The export trading of the country during August was distinctly poor, as although the decline on balance was only 6¼ millions, manufactured goods fell off by 6,292,000*l.*, the decrease applying to practically all the scheduled items. Chemicals and the allied products, however, were only 15,416*l.* less, attaining 2,097,000*l.*, the feature being the revival in shipments of soda compounds, which rose from 530,208 cwt. to 621,883 cwt.; soda ash, saltcake, and soda caustic bearing most of the improvement. Exports of copper sulphate were fairly good at 2,495 tons (35,515 tons for the eight months, against 28,207 tons in 1917). The drug and medicines figures were 286,391*l.*, or 21,000*l.* less, and on the eight completed months there is little change—2,083,000*l.*, against 2,221,000*l.* last year; only 17,777 oz. of British quinine was released, but the shipments of foreign-made reached 112,181 oz., and so far this year the total of both is 1,336,879 oz. (270,287 oz. British and 1,066,592 oz. foreign). Export trading now appears to be conducted within the well-prescribed limits of bureaucratic control, and so long as the war lasts there is not likely to be any significant change one way or the other.

Opium Traffic in China.

Several weeks ago we reported that the Chinese Government had taken over the stocks of Indian opium held in Hong-Kong and Shanghai by the Opium Combine or syndicate of merchant importers. Full details of this transaction are given in the "North China Daily News" of June 12, from which it appears that the Chinese Government took over from the Combine 1,570 chests of opium at 6,200 taels per chest and resold this stock to another Syndicate at 8,000 taels per chest, on consideration of a loan of $5,000,000. Locally, it is felt that the new Syndicate is simply a combination of Chinese officials, who have launched upon a purely business venture with the deliberate purpose of carrying on a trade prohibited to foreign merchants by treaty, with as promising a commercial field as that enjoyed by the importers of Indian opium a decade ago and with fewer restrictions. It may be recalled that in 1907 the British Government agreed to a gradual suppression of the Indian opium traffic and undertook to reduce imports into China by 5,100 chests a year, provided the Chinese made proportionate reductions in domestic opium. Last year, when the date for the final suppression was approaching, the Combine made every effort to have the date advanced, but in those appeals it was not supported by the British Government, and on April 1, 1917, all legal foreign opium traffic ceased. Before the House of Commons adjourned for the recess questions were asked as to this purchase of opium by the Chinese Government, but neither Mr. Balfour nor Lord Robert Cecil, who are both cognisant of the transaction, would give any official information. In the course of a leading article in the "North China Daily News" it is stated that

> Chinese officialdom, in so far as it is involved in this deal, probably sees in it a huge joke upon the sentimental foreigner who was hoaxed into abandoning a lucrative trade because of anything so unnegotiable as humanitarian motives. It is undoubtedly relished by the Syndicate as the quintessence of sardonic humour. If the British in China had no other interest in the matter than the preservation of their dignity and prestige, the revival of the trade would be sufficient ground for keen resentment and a prompt protest.

It seems to us that a revival in the opium-trade would now be a flagrant violation of the spirit of a perfectly clear bargain, and would give Great Britain the best possible ground for reminding the Chinese of their moral obligations.

The Indian Government as Traders.

No Government in Europe rules over a people even distantly approaching in number the subjects who owe allegiance to the Government of India, and no other Power in the world perhaps enters so largely into trading operations. Where Governments trade they usually eliminate competition, and free trade in the articles they buy and sell naturally goes to the wall. We have been so accustomed in England since the days of Bright and Cobden to consider all monopolies bad, and to denounce Government interference in buying and selling as *anathema maranatha*, that it is difficult to comprehend that what is good in the West is not always good or even feasible in the East, and that there may be a condition of things there under which there may be something to be said in favour even of monopolies. Salt, for instance, is a necessary of life, which everyone who wishes to live must use to a small extent. In our Indian Empire it is a Government monopoly, and of course subject to taxation. For some millions of people, where they do not use drugs or consume liquor, it is the one tax they cannot escape, and a large revenue is derived from it, though salt is usually retailed at from one penny to twopence per lb. Opium, hemp, and other drugs, as well as various kinds of the best descriptions of timber, are largely Government monopolies. These are not necessaries of life, though largely consumed by many classes of the inhabitants of India. To allow free trade in them would probably greatly enhance their consumption, whilst not tending to the increased happiness or comfort of consumers. It is difficult to see what measures could be taken by Government with reference to these things other than those it adopts. Free trade in opium and Indian hemp would no doubt mean lower prices, but would most certainly tend to increase crime, whilst any attempt to abolish them, as

China has been trying to do with opium, would probably lead to disturbances all over the land and the loss of valuable lives in the restoration of order. We have before us the last published Sanitary Administration Report for Burma, for the year 1917, which shows that in its attempts to combat malaria the Government is carrying on the business of chemists and druggists on a large scale. Possibly under present war conditions, where freights have advanced about eight- and ten-fold on those ruling before 1914, this Burma trade in quinine and cinchona febrifuge tablets may enable them to be produced at lower cost than any that could be produced in the British Isles. We are not aware if inquiries have been made on the subject or if any investigation has taken place. It must be remembered that the salaries of the medical men and officers employed in the Rangoon Central Gaol are on a fairly liberal scale, and that these officials are also entitled to Government pensions if they serve long enough. These circumstances would have to be taken into consideration in any fair estimate of cost of manufacture, and though the tablets are made in a prison by what is virtually a species of slave labour, it does not necessarily follow that such labour is cheap. Convicts have to be fed and clothed, and free labour outside a prison is often performed at lower cost and more satisfactorily than the work of prisoners. The Report states that, owing to the greatly enhanced price of quinine sulphate, the Burma Government sanctioned the substitution of other alkaloids of quinine available at a cheaper rate for sale to the public through Treasury officers and licensed vendors. Tablets of residual alkaloids, and to a smaller extent of cinchona febrifuge, were therefore made and issued for sale during the latter half of 1917. Some difficulties were met with in manufacturing tablets from the crude drugs supplied. The output was further hampered by the wearing out of parts of the tablet-making machines, which only after long delay were replaced by spare parts obtained from London. Sales have consequently been somewhat reduced in quantity, and some districts in Burma were not able to replenish their stocks at a time when the local demand increased, whilst at the same time stock remained unemployed in other districts where the demand was not so urgent. The out-turn of the quinine department of the Rangoon Central Gaol for 1917 was 1,521,910 5-gr. tablets of quinine sulphate and 1,823,600 1-gr. tablets, also 678,080 tablets each containing 2 gr. of residual alkaloid and 1,400,800 ½-gr. tablets, and 45,120 cinchona febrifuge tablets of 5 gr. and 60,800 1-gr. tablets. The total out-turn fell short of that of the previous year, and all indents could not be supplied in full. The cost of manufacture is said to have been Rs. 10,668 and of package and despatch Rs. 472. In fifteen of the most malarious districts free distribution of 458,000 gr. took place. From one district purchasers expressed themselves as dissatisfied with the residual alkaloid tablets as contrasted with quinine sulphate. The Sanitary Commissioner remarks that their anti-malarial value has been repeatedly proved in previous years, whilst reports of their efficacy were also obtained from individuals in 1917, but he admits that further experience is perhaps necessary to ascertain what is their real comparative therapeutic value in terms of quinine sulphate. Ophthalmia of a mild type having been specially reported to be prevalent over a wide area in three districts, eye-lotion tablets were as an experimental measure supplied in 1916 to Deputy Commissioners for free distribution. The reports of the results achieved were highly satisfactory, and the tablets have now been put on sale at four annas per packet of 120 tablets in certain districts. Last year 12,000 tablets were also sent out for free distribution to some districts and a distant Mission Hospital in the Shan States. Arrangements are being made with Inspectors of Schools to treat systematically all cases of ophthalmia met with in their circles, and the eye-lotion tablets are also to be sold through co-operative and local societies to sufferers from ophthalmia within their areas. It would thus appear that the Government of India is, at any rate in the province of Burma, trading as chemists and druggists. Its motives are no doubt excellent—the alleviation and prevention of disease and suffering. But in the interests of taxpayers who keep up our prisons for quite a different reason it would be as well to have it definitely ascertained, before the business extends still further, if these tablets could not be made and supplied in the usual way from England, and at lower cost than they can be manufactured in Burma.

Belated Suggestions.

LAST March the General Medical Council withdrew from the British Pharmacopœia 1914 certain galenicals requiring the use of edible fats and oils and indicated other bases that could be employed. More than five months afterwards the Home Office Advisory Committee has issued a memorandum to the medical profession informing doctors of the steps taken by the General Medical Council. Most medical men must have been aware by this that chemists cannot obtain lard for use in ointments. The names of the eight medical men who are members of this Committee are given in the memorandum, but we are left to conjecture as to the effect of the strain the breakneck pace must have been on the men who took five months to make suggestions which have not even the merit of originality.

Apothecaries' Assistants.

THE activity of apothecaries' assistants in their efforts to influence the Privy Council recalls an incident which happened when evidence was being taken by the Joint Committee in regard to the Poisons and Pharmacy Bill. We quote the report of the matter given in the *C. & D.* at the time :

> Mr. A. Mowbray Upton, Clerk to the Worshipful Company of Apothecaries, next took his place in the witness-chair.
>
> The Chairman : I think the object of your evidence is to allow apothecaries' assistants to sell poisons?
>
> Witness : Practically that is so.
>
> The Chairman : I think you are under a misapprehension. The licences will be granted by the Privy Council, and not by us. This proposal of yours would merely be to enlarge the scope of the Bill by admitting other persons to sell poisons.
>
> Witness said that the request he had to make was that those who held dispensers' certificates from the Society should be put practically in the same position as those who had passed the Minor examination of the Pharmaceutical Society.
>
> The Chairman : I don't think the Committee could entertain that at all, and therefore we will not trouble you.

We think that most people have forgotten this; but it should be kept in mind, for it constitutes the most emphatic snub ever given in this matter. The late Lord Haversham was Chairman of the Committee.

An Independent Committee.

WE are admirers of the Independent Air Force which is bombing with excellent effect the poison-gas factories of Germany. Few people are aware, however, that the Pharmaceutical Society have an independent Committee with spending powers. We refer to the Codex Committee, about which a significant question was asked and answered at the August Council-meeting. It appears that the Codex Committee is a Sub-Committee of the Scientific Advisory Committee. The latter Committee is reappointed each year, but as it has not met for some years, the Codex Sub-Committee has not been reappointed since 1914. But that does not matter to the Codex Committee, which goes on its independent way and in the name of the Pharmaceutical Society issues reports from time to time. The members of the Pharmaceutical Society have much to thank Mr. Skinner for, but this latest exposure of the slackness of the Society's officials and the assurance of the Codex Committee is excellent. It will be remembered that when the Codex Supplement, with its sloppy formulas, was issued in 1917, it was shown that prominent members of the Scientific Advisory Committee had nothing to do with the production. Now it appears that the Codex Committee, which was supposed to have the matter in hand, is a self-appointed Committee. The searchlights are beginning to shine on Bloomsbury.

SCHOOL OF PHARMACY.—It has been arranged that the Minister of Reconstruction (Dr. Addison) will deliver the sessional address at the opening of the School of Pharmacy in the Examination Hall at 16 Bloomsbury Square, London, W.C., on October 2 at 3 P.M. The sitting accommodation is limited, but a number of seats will be reserved for those applying for them. Members desirous of ensuring a seat are recommended to make an early application for a ticket.

A Practical Pharmacy Course.

By Jay Mack.

OUR CONTRIBUTOR has several times expressed the opinion that special efforts should be made to train drug-trade assistants quickly and develop initiative. He has put his ideas in the form of chapter headings for a text-book. These could also be made into lessons. The plan he claims is particularly applicable to the large number of women assistants who are to be found in pharmacy at the present time.

CHAPTER I.

ENTERING THE TRADE.—A chapter for parents: Examinations: 10*l.* fees. Colleges: 10*l.* fees quarterly. Scholarships: Pharmaceutical Society; Jacob Bell; Fairchild; Manchester; Boots, etc. New curriculum coming and possibly County scholarships and lower examination-fees; advantages and security of the private retail; world-wide demand for labour with efficiency; situations vacant; wages; managers; dispensers; owners; clinics; dispensaries; hospitals all under Government.

CHAPTER II.

CHOOSING FIT PERSONS FOR THE DRUG-TRADE.—Willing to work; eager to help; ready to serve the public with intelligence and commonsense; tidy, careful, studious, fond of detail, active and healthy; month's trial; reject those who have no sense of responsibility, they are a public danger. A test: Can they work by themselves?

CHAPTER III.

Health habits, character and dependability; dress and conduct.

CHAPTER IV.

WOMEN IN PHARMACY.—Good points; no drink, drug, or rough house habits; natural shopkeepers, tidy, and neat-handed. Limitations; mechanical contrivances bother them; less strength and endurance; business life only five to ten years; marriage; need for new methods of goods delivery; smaller cases; less straw; more padded cases.

CHAPTER V.

FIRST LESSONS.—Business generally: Measure water at sink with measure and bottle; counting pile of coppers; writing out weights, measures, and signs (half-hour daily for a week). Warehouse: Goods; empties; packing drugs; cleaning (first three months, then start to study).

CHAPTER VI.

PRELIMINARY EXAMINATION.—Clark's College course if not passed Preliminary examination; local school if preferred. Post Office and pharmacy junior course: (1) English with handwriting and précis, (2) arithmetic, (3) geography, (4) history, (5) Latin, (6) MSS. Fees 30*s.* quarter. Books 10*s.* extra. (MSS. means old manuscript to read.)

CHAPTER VII.

A SHOP LIBRARY.—Mack's "Practical Pharmacy" [not yet written]. *Junior*: Geography, history, arithmetic, atlas. Clark's old manuscript teaches to read prescriptions; Morris' Latin, 1*s.* 6*d.* *Senior*: Old editions best, Squire, Martindale; Kingzett's "Chemistry," 2*s.* 6*d.*; Latin, Muldoon or Wall (U.S.A.), 7*s.* 6*d.* Latter very fine pharmaceutical Latin simplified. Very little Julius Cæsar; "Art of Dispensing"; "Chemists' Windows"; "Diseases and Remedies"; "Veterinary Counter Practice"; booklets on animal medicines, baby foods, photography, first-aid, and side-lines generally. Novels which will make them fond of reading, take them home at nights; buy cheap editions of Conan Doyle, Griffiths, Morley Roberts, Boothby, Max O'Rell, Forman, Oxenham, Froude, Foster Fraser, Phillpotts, Hope, Thurston, Scott. Do not expect juniors to begin by reading the poets and classics. Monthly magazines a supply. If they do not take to reading, then do not attempt to keep them in the drug-trade; chase them off.

CHAPTER VIII.

A CURRICULUM.—Arranged by Mack, approved by the drug-trade, and it is hoped to get the Pharmaceutical Society to adopt, but do not depend on them. Adopt it yourself as far as you can. Each student should have

(1) A page in Registrar's Ledger and be written to twice a year.
(2) Earn marks from the start:

Say up to examination a possible	1,500
Actual last examination	500
(1,200 a pass)	2,000

(3) Apprentice's note-book of difficulties first year.
(4) Squire first reading (simple drugs) marked by master.
(5) Essays on visits to wholesale houses or factories.
(6) "Art of Dispensing."
(7) Kingzett's "Chemistry."
(8) Postal Pharmacy Course.
(9) Pharmacy College.
(10) Apothecaries' Hall examination. Fee 5*l.* 5*s.* Age 19 at entry. Address Blackfriars, London. Stop there until Pharmaceutical Society comes to its senses.

Work it on your own from No. 3 with your shop library of books or others you may have suitable. Employers should pay for everything so long as they get apprentice wages and are evidently valuable recruits to our trade. A scholarship for each shop.

CHAPTER IX.

WHO'S WHO IN THE DRUG-TRADE.—Live men and women who are rebuilding our trade from the ruins of 1890. Glyn-Jones; Rutherford Hill; wholesalers and men in provinces; College owners; Sir Jesse Boot; Hugo Wolff; Harold Miller; "Xrayser II."; Jay Mack; Miss M. Buchanan, etc.

CHAPTER X.

WHAT'S WHAT.—Questions of the day explained; Pharmaceutical Society; Rexall; Ucal; Progressive Pharmacy Club; wrong ideals of past forty years, and where they have landed us. Sale of Food and Drugs Act unfairness. Chemists' Defence Association and Proprietary Articles Trade Association, need for them explained. National Health Insurance: doctors' unfairness, and chemists' wrong attitude. British Pharmacopœia: need for revision and a commercial standard; the title "Chemist" which should be Druggist, Apothecary, or Pharmacist.

CHAPTER XI.

WHAT TO DO in cases of business emergency; wrong change; petty pilfering; customer threatens police; food and drugs inspection; drunken customer or assistant; lost keys of doors or safe; goods spoilt by heat, cold, wet, frost, or sun; sharpers who try to get goods or money by false pretences; flash coins, etc.

CHAPTER XII.

HOW TO DO CERTAIN AWKWARD JOBS: sharpen pencil; take out corks; open cask of goods; tap cask of wine or vinegar; mend a blind-cord.

CHAPTER XIII.

WHAT TO GIVE AS FIRST-AID in simple ailments; a junior course; simpler than *C. & D.* "Diseases and Remedies":

Asthma,	Heartburn,
Cold or chill,	Baby ailments,
Headache,	Burns and scalds,
Biliousness,	Sore eyes,
Fainting,	Toothache,
Diarrhœa,	Corns and warts, etc.

CHAPTER XIV.

PHARMACY HINTS.—Frothy mixture; use of chloroform, sulphur bath is made from sulphurated potash; fill up bottles; safety first, etc.

CHAPTER XV.

BUSINESS TIPS.—Verbal messages; never give to children or servants, always scribble a note. Pals must never hang about a drug-shop or whisper to you loudly in corners, etc.

CHAPTER XVI.

DON'TS.—Don't sulk—say openly and quietly what you have to say. Don't stand with back to counter—face the public. Don't stare at customers or hang around listening, etc., etc.

Next twenty-three chapters.

Full Syllabus of Subjects to be studied.

CHAPTERS XVII.—XXIII.

PHARMACY.—Retailing of drugs. Dispensing prescriptions. Study of materia medica. Compounding in bulk. First-aid prescribing. Surgical appliances: instructions for sterilising and disinfecting.

CHAPTERS XXIV.—XXV.

CHEMISTRY.—1. Of simple drugs. 2. Of fine chemicals. 3. Commercial chemicals. 4. Simple tests to be used at counter or in dispensary.

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CHAPTERS XXVI.—XXX.

LAWS AND CUSTOMS.—1. Laws; poisons; food and drugs; wines; methylated spirit; patent medicines; licences and stamped medicines; Pharmacy Act; venereal diseases; weights and measures, etc.; forming a company. 2. Trade customs in a court of law are as strong as an Act—*e.g.*, rule of road is a custom, not an Act. Apprentices' and assistants' wages and legal notice to leave; illegible prescriptions; secrecy customary; attitude to medical men; holidays; references; duty to employer; judicious questions to patients; refusal to supply opiates, etc.

CHAPTERS XXXI.—XXXV.

BUSINESS METHODS.—Selling, displaying, stock-keeping, book-keeping, side-lines.

CHAPTERS XXXVI.—XL.

BUSINESS MANAGEMENT.—Staff teaching and supervision; shop-work; saving of time, money, expense and material.

CHAPTERS XLI.—XLIX.

BUSINESS OWNING.—Buying or opening; classes of trade; goodwill; agents and valuers; trading policy; refitting; advertising; business building; profits; property; investment; insurance of life, accident, fire, loss of profit, employés, burglary, larceny, housebreaking; forming a company; directors.

CHAPTER L.

VARIOUS REFORMS NEEDED.—Motto, look ahead; make sure; leave nothing to chance. "Mak sikkar."

New Books.

Onions, Oliver. *The New Moon.* 7¾ in. × 5 in. Pp. 312. 6s. net. (Hodder & Stoughton, St. Paul's House, Warwick Square, London, E.C. 4.) [It is not often that we have sent to us a book bearing all the outward aspects of a romance, so that when "The New Moon" came to us with its barbed-wire-illustrated cover we were rather interested to know what connection it had with pharmacy. We were not long, however, in discovering that Mr. Onions's latest "novel" is really propaganda for industrial reconstruction after the war. He has endeavoured to indicate, and rather cleverly, the working some years hence of the Industrial Reconstruction Councils that are likely to be set up as a result of the Whitley Report. So far as chemical industry or pharmacy is concerned the author has not touched any points of direct interest, the theme of the story being the reconstruction of Birmingham and the trades associated with that city, and also London. It is singular that so far none of our propagandists has realised the great importance of chemical industry and pharmacy in the future. Perhaps a prophet will arise among us one of these days, and to such as he a study of "The New Moon" would be useful.]

Wall, O. A. *Handbook of Pharmacognosy.* 9 in. × 6 in. Pp. 629. Fourth edition. $4.50. (The C. V. Mosby Co., 801-807 Metropolitan Buildings, St. Louis, U.S.A.) [The author defines pharmacology as the science of remedies and remedial measures, which is almost equivalent to the study of materia medica. The method of study that has been adopted is to deal with individual drugs in the following plan: Name, origin, habitat, description (shape, size, colour, fracture, structure, odour, taste), constituents, and uses (action, dose). Dr. Wall holds that the pharmacist must have some knowledge of the action of remedies and of the doses, so that he can detect errors in prescriptions. Animal drugs are first dealt with (about 20 pages), and then vegetable drugs, the last-named section being preceded by a short treatise on microscopy, photo-micrography, and histology. The drugs are considered in groups—*e.g.*, herbs, fungi, rhizomes, balsams, oils. The work is not adapted to any particular Pharmacopœia, the substances used in medicine being dealt with and those that are official in the national Pharmacopœia being checked by the student, who thus compares the official descriptions and acquires a knowledge of the Pharmacopœia. There are 460 illustrations, all clearly drawn.]

THE PESSIMIST.—"A chemist I knew," writes a correspondent (10/9), "was startled one fine day to learn that a rival concern was about to start business in a shop opposite his premises. Months afterwards, when the new establishment was in full swing, his wife took him to task for having paraded needless fears. 'Your business,' she concluded, 'is as good, if not better than ever.' 'Yes, I know,' he admitted. 'But how can I be sure that I haven't lost a lot of extra trade?'"

War Auxiliary Benevolent Fund.

THE Pharmaceutical Society of Great Britain has sent the following letter to the Secretaries of local Pharmaceutical Associations:

DEAR SIR,—In common with the rest of the nation those engaged in pharmacy have suffered in varying degrees from the war. Some have made the great sacrifice, others have been maimed and disabled for life. Many have left prospering and promising businesses or careers, and will be unable for lack of capital to start again.

The Pharmaceutical Society has always been justly proud of its Benevolent Fund, now over seventy years old, which has been a perennial source of succour and sustentation to distressed pharmacists and their dependents. The pressure of the war and the casualties attendant on it have vastly increased the responsibilities of the Council in the administration of the Fund, since on this account there is sure to be an abnormal rise in the number of widows and orphans who, had they been bereaved of the bread-winner in peacetime, would have had strong claims upon the Fund. Those claims will be immeasurably more imperative because the loss of the life of the bread-winner has been the tragic price of service to the country, when the payment of that price was the paramount need. The increase in the number of these claimants alone would have necessitated a special appeal for the Benevolent Fund, but the war has created entirely new sets of circumstances, and types of cases which cannot in virtue of statutory restrictions be covered by the existing Benevolent Fund. That the nation recognises its obligations in relation to such cases is proved by the establishment and operation of the Civil Liabilities Committee, but pharmacy will have to supplement for those of its class who are affected the necessarily limited State allowance. Many men will need financial assistance for reinstatement in business. Many assistants whose preparation for the Qualifying examination was broken off by their enlistment will probably remain unqualified assistants to the end, to their own detriment and that of pharmacy, unless provision is made to enable them to complete their training.

The widow or orphan of an unqualified assistant is ineligible for benefit from the existing Benevolent Fund, and these and many other conclusive reasons make it absolutely necessary that a separate Fund should be set up to meet these and similar cases. The Council have decided to form such a Fund, which, besides answering this purpose, shall relieve the Benevolent Fund from the prospectively heavier war emergency demands upon it. It is proposed that this Fund shall be known as "The War Auxiliary Benevolent Fund," and the Council is confident that pharmacists and their assistants who have been denied the high honour of making the personal offering of substance and service, which has cost so many of their gallant confrères unspeakable anguish of mind and bodily torture, and fearful even if glorious death, while those in civil life have remained in safety and comparative comfort and ease, will rejoice in the opportunity of sharing the burden by cheerfully and generously giving of their means to re-settle, and re-endow in civil life, the men who have resigned so much for them. Equality of sacrifice there cannot be, but much may be done by true brotherly service to mitigate and mollify the grievous inequalities which exist. This is not a call for subscriptions in an amount which will spare the donor all self-denial. A large sum must be realised, and the Council feel justified in appealing not only to every pharmacist and assistant, but also to all who have business associations with pharmacy to subscribe, not in a measure commensurate with the hardship and loss incurred by those to whom the Fund is to be dispensed, that is impossible, but certainly in such a degree as to involve substantial, even if inconvenient, dedication of their financial resources to this object.

Local Associations are invited to organise the collection of subscriptions to the Fund in their respective areas, upon lines which the Secretary will recommend at an early date, and the Council confidently expect that there will be a keen and inspiring emulation among Associations as to which shall the most nobly distinguish itself in this beneficent cause.

Yours faithfully,

(Signed)

W. L. CURRIE,
President of the Society.

L. MORETON PARRY,
Chairman of the Committee.

W. S. GLYN-JONES,
Secretary of the Society.

Association Affairs.

Bradford The twenty-fourth session of the Bradford Pharmacists' Association was opened on September 12 at the Central Café, Mr. W. Sutcliffe (President) in the chair. Mr. Hugo Wolff was to have given an address, but, under medical advice, he has postponed his visit until the December meeting. Mr. F. E. Burdett tendered his resignation of the secretaryship, which was received with regret, and Mr. A. T. Bailes, 19 Ellercroft Road, was elected Hon. Secretary, becoming also, according to custom at Bradford, Secretary of the Pharmaceutical Committee. Dr. Kee's offer to give a series of five lectures on first-aid was gratefully accepted. It was decided to support the trade in regard to the dispute with Messrs. Elliman. The report of the Pharmaceutical Society's Organisation Committee is to be discussed at a future meeting, after members have had an opportunity of considering it. It was agreed to meet, during the coming session, on the second Thursday in each month, the October meeting to take the form of a social evening.

Irish Chemists and Druggists.—On the invitation of Mr. Samuel Gibson, J.P., and Mrs. Gibson, the members of the Chemists' and Druggists' Society of Ireland spent a very pleasant afternoon on September 11 at Summerhill, Dunmurry, the charming residence of their host and hostess. The guests were made welcome by Mr. and Mrs. Gibson, who had provided ways and means to entertain the large company present. Between inspection of the stock farm, games, and pleasant social intercourse the time passed all too swiftly. An equally enjoyable hour was afterwards spent over the teacups, after which Mr. W. J. Rankin, in moving a vote of thanks to the host and hostess, referred to Mr. Gibson's long connection with the Society, which owed much to his efforts, and reminded those present that they had been entertained at Summerhill exactly ten years ago. Mr. E. J. Roberts, President of the Society (who, it is interesting to note, served his apprenticeship in Mr. Gibson's firm), seconded the vote, which was supported by Mr. Wm. Doig, who recalled a visit to the house forty-six years ago, and by Messrs. A. R. Hogg and J. D. Carse. Mr. Gibson, in reply, expressed the pleasure it gave to his family and himself to entertain the members and their lady friends. Mr. W. J. Gibson also briefly replied.

London Co.—A meeting of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, W.C., on September 17, Mr. J. Keall (President) in the chair. Letters were formally received from the Early Closing Association, the Pharmaceutical Society *re* "Drugs for Troops," from Mr. Wolff, submitting the reports of the July and August Council-meetings, and the Proprietary Articles Trade Association concerning Elliman's. Arising out of the report of the Pharmaceutical Insurance Sub-Committee, the Secretary was instructed to make the necessary inquiries regarding the delay in the confirmation of the appointment of Mr. A. R. Melhuish as chemists' representative on the London Insurance Committee. The Organisation and Trade Sub-Committee recommended that the subject for simultaneous discussion by the District Associations for the month of October should be: "Territorial representation with special reference to the report on Pharmaceutical Organisation, issued by the President of the Pharmaceutical Society."

Southport.—The annual general meeting of the Southport Pharmacists' Association was held on September 10, Mr. W. H. Smith in the chair, when the following officers were elected for the ensuing year: *President*, Mr. H. Barton; *Vice-President*, Mr. A. H. Messenger; *Treasurer and Secretary*, Mr. R. H. West. Hearty votes of thanks were accorded to the retiring officers for their services. The meeting decided that the members of the Association should refuse to stock or sell Elliman's Embrocation after September 16 until the controversy between Messrs. Elliman and the Proprietary Articles Trade Association is satisfactorily settled. Some of the members present even wished to go further, and to continue the refusal until Messrs. Elliman have placed their preparation on the P.A.T.A. list.

Swansea.—A meeting of the Swansea and West Glamorgan Chemists' Association was held at the Hotel Cameron on September 12, the President (Mr. H. S. Arnold, Cwmavon) in the chair. Correspondence from the Glamorgan Insurance Committee was discussed, and it was decided to confirm the Association's resolution of July 11 last (sent to the Committee), "That the Association insist on the continuance of the duplicate form in accordance with the original agreement," as the "B" form was considered absolutely necessary to the chemist in the event of the "A" form getting lost, and also to carry out the provisions of the Poisons Acts. It was unanimously resolved to support the Proprietary Articles Trade Association regarding the Elliman embroglio. Tariff revision was considered, and it was decided "that we are prepared to continue with the present system of cost-price for material, but consider an advanced dispensing-fee to be absolutely necessary to meet the enormous increase in living and working expenses, and that we are firmly opposed to any system of flat-rate payment."

Wimbledon.—At a special meeting of the Wimbledon and District Pharmacists' Association on September 11—Mr. F. T. Bowen (President) in the chair—it was resolved "That this Association is in agreement with the action taken by the Proprietary Articles Trade Association, and pledges that all its members will not buy or sell Elliman's Embrocation until Messrs. May, Roberts and Messrs. Barclay are restored to their former business relations, and also that Messrs. Elliman recognise the P.A.T.A., and not to re-stock until an adequate margin of profit is assured."

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Birmingham.—At a meeting of the Pharmaceutical Committee, held on September 17, the report and statement of expenditure for 1917-18 was approved, and instructions were given for its circulation to panel chemists. The Tariff for the ensuing year was considered, and a request formulated for an increase of fees of at least 20 per cent. The report of the Military Service Sub-Committee was adopted.

Cornwall.—A meeting of the Pharmaceutical Committee was held at Truro on September 10, Mr. Cannon in the chair. The following were elected to fill vacancies on the Committee: Messrs. Pilgrim, Roach, West, and Opie. A report of the Sub-Committee in connection with Military Service was presented to the Committee and the action confirmed. The Secretary stated that he had received a copy of the signed agreement between the Insurance Committee and the National Service Representative for the area. It was decided to support the Proprietary Articles Trade Association in the action taken in regard to Messrs. Elliman, and to refuse to stock the embrocation until the matter is put right. The officers of the Committee were re-elected. At the conclusion of the business the Chairman, on behalf of the pharmacists of the county, presented Mr. W. T. Hall, the Secretary, with a cheque as a mark of appreciation for his services on their behalf.

Manchester.—A meeting of the Pharmaceutical Committee was held on September 4, the Vice-Chairman (Mr. J. H. Nidd) presiding. The Secretary submitted his report on the negotiations with the National Service Representative, which was approved and adopted. With reference to the remuneration for 1919, the Committee instructed the Secretary to write to the Local Associations Executive urging that body to use its best endeavours to obtain a very substantial increase on the present dispensing-fee, that increase to be not less than 1*d.* per prescription. The Checking Bureau's reports on the March and April prescriptions showed that there was no diminution of the usual standard of accuracy maintained at the local Pricing Office. The reports were approved and adopted. The Secretary reported that prescriptions were still coming in which gave the Pricing Office considerable trouble in ascertaining what had been actually dispensed, with consequent difficulty in correct pricing. The Committee expressed the hope that when any ambiguity in a prescription existed chemists would annotate marginally the prescription so as to indicate clearly the article and quantity dispensed.

SCOTLAND.

Drug Accounts Committee.—The Central Checking Bureau, Glasgow, has issued a comparative statement for the half-year ended June 1918 and the corresponding period in the three preceding years. This shows that in the last half-year 932,941 prescriptions were dispensed at a total cost of 43,948*l.* 8*s.* 9½*d.* and an average value of 11.30*d.*; the corresponding figures for the earlier periods being: 1917, 994,381, cost 39,553*l.* 8*s.* 9½*d.*, average 9.54*d.*; 1916, 1,040,286, cost 45,210*l.* 17*s.* 9½*d.* average 10.43*d.*; 1915, 1,253,567, cost 50,208*l.* 17*s.* 3½*d.*, average 9.51*d.*

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Trade Report.

42 Cannon Street, E.C. 4, September 19, 3 p.m.

A SLIGHT improvement in business has been noticeable during the week under review, and a certain amount of speculative interest has been shown in menthol and oil of Japanese mint. Citric acid has shown a marked advance, and there is also a further improvement in aspirin, which is justifiable. Amidopyrin and tannic acid are firmer. Acetanilide is on the easy side. Bromides are unaltered. Quinine has been dealt in at higher rates. Salicylates are unchanged. Milk-sugar is again cheaper, and methyl salicylate shows more seasonable inquiry. Benzoates are firm. Other changes include an advance in cascara sagrada on acute scarcity. Camphor oil is cheaper, and oil of turpentine is much lower officially. Russian anise, coriander- and fennel-seeds are steady; dill is dearer, and cumin quiet. Farina (potato-starch) and honey are higher. Spices are quiet.

Higher	Firmer	Easier	Lower
Aspirin	Amidopyrin	Acetanilide	Camphor-oil
Cadmium	Camphor (Jap. ref.)	Aloin (Amer.)	Milk-sugar
Cascara sagrada	Citric acid	Gum acacia (Sudan sorts)	Turpentine
Dill-seed	Methyl salicylate		
Farina	Nutmegs		
Honey	Quinine (sec. hands)		
Menthol	Tannic acid		
Mint-oil (Jap.)			
Saffron			

The drug-auctions will be held next Thursday, September 26.

Cablegram.

NEW YORK, September 18.—Business in drugs is fair. Menthol is dearer at $4.25 per lb. Mexican sarsaparilla has been reduced to 57c., or 3c. less. Peppermint oil in tins is dearer at $5.00. Senega is lower at 95c., and quinine sulphate in second-hands is lower at 90c. per oz.

ACETANILIDE.—Demand continues slow, and there will have to be considerable revival before any improvement in price takes place. Although no imports are coming forward from U.S.A., spot stocks are sufficient in view of the home production; prices are from 6*s.* to 6*s.* 3*d.* net.

AGAR-AGAR is steady, with further spot sales of No. 1 Kobe strip at from 3*s.* 4½*d.* to 3*s.* 5*d.* per lb.

ALOES.—Good pale livery Curaçao in cases is offered at 140*s.*, and dark coarse at 127*s.* 6*d.* per cwt. Cape is fairly plentiful and slow of sale, good firsts offering at 57*s.* 6*d.*, good seconds at 52*s.* 6*d.*, and drossy at 47*s.* 6*d.* Genuine Socotrino in skins is scarce, while Bombay in kegs offers at 70*s.* to 75*s.* per cwt.

ALOIN is selling at 5*s.* 6*d.* per lb. for American on the spot.

AMIDOPYRIN is firmer on the spot, with a lively export demand, 60*s.* per lb. being asked.

ANISE has been sold at 78*s.* per cwt. for Russian, being steady.

ANISE OIL, STAR, is steady at from 5*s.* 4*d.* to 5*s.* 6*d.* on the spot for "Red Ship" brand, as to seller.

ANTIMONY.—There is very little stock of Chinese crude left, and holders' ideas are 65*l.*, no sellers being found at less. Cable advices from the Far East are much firmer, producers being disinclined to sell to America at current rates. It is reported that Japan has been buying in China, which is not improbable in view of the purchases of other metals made by that country, apparently for war use. There has been a brisk demand in America lately. Japanese regulus here has been very irregular, with resales down to about 75*l.*, while sellers ask up to 78*l.*

ARSENIC.—The tone is on the easy side owing to the sluggish demand, and good-sized lots could be obtained at 95*l.* delivered London for best Cornish powder, but small lots are hardly obtainable at less than 97*l.* Importations continue rather restricted under freight scarcity, but buyers are circumspect.

ASPIRIN is again higher, and in view of the heavy demand and small available supplies holders are asking 16*s.* per lb. net. The cost of manufacture hardly justifies makers in selling below 15*s.* for forward delivery on short-period contracts. The situation is one that consumers need have no hesitation in covering their requirements. The position in regard to granting export licences has become rather more stringent lately, and some restrictions have been placed on shipments to neutral countries, but it is still possible to supply our Allies, India, and the Colonies with their requirements.

BROMIDES show no alteration, supplies coming forward still appearing to be inadequate for the trade demand, consequently only a few privileged customers are enjoying the benefit of lower prices. The second-hand prices of potash are from 8*s.* 3*d.* to 8*s.* 6*d.*; ammon. has been sold up to 9*s.*, and soda, which is the most plentiful of the salts, is 5*s.* to 5*s.* 3*d.*

BUCHU.—With no arrivals taking place market is very bare, with round leaf offering in a limited way at 7*s.* per lb.

CADMIUM.—There has been a further advance, quotations now ranging from 8*s.* 6*d.* to 8*s.* 9*d.* per lb., the demand being more active, with not much offering. The New York price stands at $1½ to $1¾ per lb.

CAMPHOR (REFINED).—Spot sales of Japanese slabs have been made up to 5*s.* 3*d.* per lb., and ¼-oz. tablets are quoted at 6*s.* 9*d.*

CAMPHOR OIL is rather cheaper owing to arrivals, white essential Japanese offering at 165*s.* per cwt. on the spot.

CANARY-SEED is firm at 345*s.* to 355*s.* per quarter for ordinary to good Morocco, and 360*s.* to 370*s.* for Spanish.

CARAWAY-SEED.—New crop Tunis is quoted 240*s.* per cwt. on the spot.

CASCARA SAGRADA.—The scarcity on spot was never so apparent, and it is difficult to say what price will now tempt the very few holders to sell; small sales have been made at 180*s.* per cwt. on the spot, but it is doubtful if more can be had at this figure. There appears to be no knowledge of further imports at the moment. Licences to import further quantities have been granted, but the freight difficulty is acute, and it is probably difficult to get export licences on the other side in consequence.

CASSIA FISTULA remains scarce, no arrivals having taken place; nearest value is about 150*s.* per cwt.

CHALK, PRECIPITATED.—Best white light quality is offered at 25*l.*, this being the price of ton lots.

CHAMOMILES.—New French crop of fair quality have been sold at 325*s.* per cwt. on the spot.

CHAULMOOGRA OIL.—Genuine is offered at 3*s.* 10½*d.* per lb. on the spot.

CHILLIES.—At auction 137 bags good red Japanese were bought in at 100*s.*

CHLORAL HYDRATE is steady, with small supplies available at from 15*s.* 6*d.* to 16*s.* per lb., duty paid.

CITRIC ACID is one of the features of the week, and on a sensitive market prices have advanced a further 1*d.* to 2*d.*, closing at 3*s.* 10*d.* per lb. The chief demand has been for export, and it is probable that the advance has not yet come to an end.

CLOVES are quiet, with sellers of fair Zanzibar on the spot at 3*s.* per lb.

COPAIBA.—Fair-sized quantities have arrived, but prices are maintained at about 5*s.* 6*d.* per lb. for B.P. quality.

CORIANDER-SEED is steady at 67*s.* 6*d.* per cwt. for new crop Morocco and 60*s.* for old crop.

CREAM OF TARTAR is steady and unchanged at from 415*s.* to 425*s.*, as to seller.

CUBEBS are still obtainable at from 18*l.* to 19*l.* per cwt., as to quality and seller.

CUMIN-SEED is quiet at 55*s.* to 60*s.* per cwt. for fair to good sifted Morocco.

DILL-SEED is dearer at 60*s.* per cwt. for fair East Indian, but some sellers are holding for higher prices.

FARINA has advanced a further 1*s.* 6*d.* per cwt. on the spot, No. 1 Japanese being quoted at 86*s.*, at which business has been done; sales to arrive include September-November shipment at from 80*s.* to 81*s.* c.i.f., but 83*s.* to 84*s.* c.i.f. is now quoted, as to position. Sweet-potato flour is firm at 82*s.*

FENNEL-SEED is steady at 55*s.* to 57*s.* 6*d.* per cwt. for old crop Morocco and 49*s.* for new crop.

FENUGREEK-SEED has been sold at 47*s.* per cwt.

GUAIACOL CARBONATE is offered at 110*s.* per lb. on the spot.

GUM ACACIA is quiet, with Sudan sorts offering at from 77*s.* 6*d.* to 80*s.* for fair hard, and cleaned at 82*s.* 6*d.*; good pale soft is worth 115*s.* to 120*s.*, and a fair business has been done for export.

HEXAMINE.—In further reference to last week's paragraph, it should have been stated that licences to export from the

U.S.A. have been refused, probably in view of the methyl alcohol position. So far as the Import Restrictions Department on this side is concerned there have been no refusals to grant import licences, nor have the quantities been cut down. Spot prices are from 8*s.* to 8*s.* 6*d.* We notice the arrival of 71 drums and 20 cases, the first for some time.

HONEY has been in good demand since the auction, with sales of pale set Cuban at 195*s.* to 197*s.* 6*d.* and dark liquid 180*s.* to 185*s.*, but more is now asked. Sales of Brazilian set in cases are also reported at 205*s.* to 207*s.* 6*d.*, and Australian in cases in limited quantity is offered at 200*s.*

MACE.—Firm at auction, 40 boxes ordinary Penang selling at 3*s.* 10*d.*

MENTHOL.—A fair amount of speculative interest has been shown, resulting in an aggregate advance of 1*s.* 6*d.* to 2*s.* per lb. on the week; spot sales have been made at from 16*s.* 9*d.* up to 18*s.* 6*d.* for Kobayashi-Suzuki and other brands at corresponding lower prices.

METHYL SALICYLATE.—The demand shows a revival, as is not unusual at this period of the year; 7*s.* to 7*s.* 6*d.* is quoted on spot.

MILK-SUGAR has eased by a further 6*d.* per lb., the principal importers quoting 3*s.* 6*d.* for either American or Dutch for spot delivery.

MINT OIL, in sympathy with menthol, has been in more speculative demand, and a fair spot business has been done in Kobayashi-Suzuki at from 4*s.* 10½*d.* to 5*s.* 7½*d.* on the spot and buyers.

NUTMEGS firmer at auction, 23 bags Bombay (by parcel-post) selling at 3*s.* 11*d.* for 89's and 4*s.* 1*d.* for 77's to 73's.

OLIVE OIL.—It is understood that the price of olive oil is under consideration by the Ministry of Food, and that an official announcement is expected shortly.

PEPPER is quiet, with spot sellers of fair *black* Singapore at 2*s.* 2*d.*, Tellicherry at 2*s.* 3½*d.*, and Aleppy at 2*s.* 3*d.* White Muntok is steady at 3*s.* 8*d.* and Singapore at 3*s.* 7½*d.* on the spot, and to arrive 3*s.* 5¾*d.* per lb. c.i.f. London is quoted.

PEPPERMINT OIL.—The American price of tin oil is cabled over at $5.00 per lb. Spot supplies of finest oil offer at 25*s.* in limited quantities.

PHENACETIN remains dull of sale, but further reductions are not looked upon as justified; 18*s.* to 18*s.* 6*d.* is quoted on the spot.

PHENAZONE fully maintains its previous price of 50*s.* per lb., and offers below have been refused.

PIMENTO is dull, with spot sellers at 7*d.*

POTASH IODIDE.—The exports from Japan during June amounted to 13,434 kin, valued at 91,143 yen. During the six months ended June 30 the shipments were as follows:

	1916	1917	1918
Kin	92,421	70,939	100,351
Yen	693,167	441,222	625,145

Of *crude iodine* 5,418 kin, valued at 46,153 yen, were exported during June, and the exports for the six months ended June 30 were:

	1916	1917	1918
Kin	150	14,540	42,583
Yen	722	117,434	266,737

PYROGALLIC ACID is slightly firmer at 16*s.* for crystals and 17*s.* 6*d.* for resublimed.

QUICKSILVER.—Trading is difficult, and there is a good deal of discrimination by importers as to the nature of the applications coming their way. Orders for Class A work can doubtless be placed at 21*l.*, but one hears of wide prices in other directions, up to about 24*l.* per bottle.

QUININE has been sold in small lots at from 4*s.* 3*d.* to 4*s.* 6*d.* per oz. for sulphate, but in some quarters higher prices are asked.

RESORCIN is selling at from 42*s.* 6*d.* to 45*s.* per lb. on the spot.

SACCHARIN is unchanged, with importers of American 550 pure offering at 260*s.* per lb., duty unpaid.

SAFFRON is dearer at 56*s.* per lb. net for finest Valencia on the spot.

SALICYLATES.—The lowest price of which makers of salicylic acid will do business for forward delivery is 4*s.* 6*d.* per lb. Sodium salicylate is on the firmer side at from 6*s.* to 6*s.* 3*d.* The importation of acid and soda from the U.S.A. seems to have ceased.

SHELLAC continues quiet and unaltered, with sellers of usual standard TN Orange quality at from 335*s.* to 340*s.*, good at 345*s.*; cakey AC Garnet is 330*s.* and pure button 345*s.* on the spot; to arrive TN Orange is 305*s.* c.i.f. and AC Garnet 315*s.* c.i.f.

TANNIC ACID is rather dearer at 11*s.* per lb. for *levigated*; in view of its bulk only small shipments are allowed to come forward.

TARTARIC ACID remains very firm at from 3*s.* 6*d.* to 3*s.* 7*d.* for crystals, and for powdered 3*s.* 8*d.* is quoted.

THEOBROMINE. Pure alkaloid is obtainable at 55*s.* per lb. on the spot.

TURMERIC. Supplies continue small, no imports taking place. Fair Madras finger can be had at 140*s.*, Cochin finger at 112*s.* 6*d.*, and Cochin split bulbs at 107*s.* 6*d.* per cwt. on the spot.

TURPENTINE.—The official price of American to consumers has been reduced by 15*s.* per cwt. to 105*s.* net cash, ex wharf London.

VANILLIN.—The demand does not seem sufficient to ease down the stocks in second-hands, and the sagging tendency is still apparent, sellers quoting 66*s.* to 67*s.* net, which is low, having regard to cost of production.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London
(August 31 to September 6).

Casein, 2,100*l.*
Chemical products, etc. unrated, 3 cs. 101 bgs. 5 cbys. 49 cks.
Argol, 182 bgs.
Cream of tartar, 12 cks.
Gallic acid, 5 brls.
Guaiacol carb., 1 cs.
Potashes, 9 brls.
Quinine, 600 oz.
Tannic acid, 15 brls.
Tartar, crude, 19 cks. 800 bgs.
Tartaric acid, 129 pkgs. 40 brls.
Dari-seed, 263 bgs.
Dental goods, 3,392*l.*
Drugs, etc., unrated, 379*l.*, hæmatogen, 130 cs.; leaves, dried, 50*l.*
Cumin-seed, 450 bgs.
Dragon's blood, 52 cs.
Eucalyptus oil, 30 cs.
Fenugreek-seed, 318 bgs.
Galls, 50 cwt. and 450*l.*
Henbane, 23 bls.
Ipecacuanha, 111 bls.
Manna, 16 cs.
Menthol, 20 cs.
Dyestuffs, tanning materials, etc., unrated, 1 kg. 15 cs. 136 pkgs.; carmine or cochineal 3 cs.; chestnut tanning ext., 5,202 pkgs.; mimosa ext., 545 bgs.; myrobalans, 5,473 pockets; tanners' bark 415 tons; wattle ext., 557 pkgs.
Gelatin, 2,651*l.*
Loofahs, 137*l.*
Perfumery, unrated (mostly raw materials), 1,012*l.*
Plumbago, 761 brls. 385 cks.
Pumice stone 52 tons
Spermaceti grease, 1,419*l.*
Starches (cwt.): potato, 2,418
Talc, 1,420*l.*
Wax, bees', 3 pkgs. 121 bgs. 56 cs.
Wax, paraffin (cwt.): scale, 15
Wax, vegetable, 78 cs.
Cancelled entries: Feb. 25, 3,020 cwt. potato starch; May 24, 158 cwt. potato starch; May 27, 80 bls. senna; July 18, 225 tons, chestnut ext.

To Liverpool
(September 2 to 7).

Albumen, hen, 32 cs.
Bronze powder, 153*l.*
Chemical products, etc., unrated, 170 brls.
Antimony salts, 7 cks.
Argol, 314 bgs.
Arsenic, 100 cs.
Bromides: ammon., 120 cs.
Calcium tartrate, 93 bgs.
Cream of tartar, 12 cks. 40 kgs.
Hexamine, 17 kgs.
Hydroquinone, 2 kgs.
Iodine, 20 cs.
Lithium carb., 4 cs.
Podophyllin, 3 cs.
Potash carb., 10 brls.
Pyrogallic acid, 5 cs.
Drugs, etc.:
Cinchona-bark, 370 bls.
Menthol, 250 cs.
Nux vomica, 800 bgs.
Orange-leaves, bitter, 20 bgs.
Poppy-flowers, 18 bgs.
Senega, 31 bls.
Stramonium-leaves, 70 bgs.
Uva-ursi leaves, 20 bgs.
Dyestuffs, tanning materials etc.: cutch, 2,850 bxs., fustic liquor, 6 cks.; gall nut ext., 50 cs.; gambier, 1,511 cs.; logwood ext., 38 bxs. 225 cks.; myrobalans, 6,904 bgs.; redwood ext., 2 cks.; sumach, 5,938 bgs.; tannin, 20 cs.
Plumbago, 1,500*l.*
Pumice-stone, 1,637 bgs.
Starches (bags), 20; farina, 768; dextrin, 100; potato, 4,550; wheat, 130
Wax, bees', 417 blocks
Wax, paraffin, 1,624 bgs. 266 cs.; scale, 6,712 brls.
Wax, vegetable, 17 cs. 80 bxs.
Zinc oxide, 954 brls. 115 cs.; zinc dust, 17 tons

Turpentine.

Under an agreement between the Ministry of Munitions and the Turpentine Distributors' Association, 28 St. Mary Axe, London, E.C. 3, deliveries of turpentine to consumers during the next four months or longer will be as to 50 per cent. American and 50 per cent. French. The official price will be 105*s.* per cwt., no discount, ex wharf London. For the outports the necessary difference, if any, in quotation will be arranged with the Ministry.

The attention of the Minister of Munitions has been drawn to sales and purchases without licence of heavy distillates and other products of petroleum capable of being used as a substitute for spirits of turpentine. All traders, manufacturers, and distillers are reminded that the purchase, sale, or use of such products without licence is illegal, and is subject to penalties under the Defence of the Realm Acts. All consumers or distributors of quantities exceeding five gallons per month of turpentine, white spirit, or turpentine substitute, or other products of petroleum, must obtain a licence to purchase from the Controller, Mineral Oil Production Department, St. James's Park, S.W. 1.

Copper Sulphate.

The market outlook has become more interesting of late, especially having regard to prospective French requirements for the new season opening next month, in connection

with which it is believed that orders running into about 25,000 tons have already been arranged through the usual channels. This would imply some curtailment against the tonnage secured for the season now ending, and it therefore opens the door to possibilities for permits being granted in other directions. This prospect has aroused some interest among merchants, and there is in consequence a somewhat firmer feeling which may eventually have its reflex in the establishment of a higher range of prices. It is, as a matter of fact, already suggested, according to information from official quarters, that licences will probably be issued for Allied and neutral countries not adjacent to enemy countries. Within the last two seasons permits were practically confined to France and Protectorates, but needs in this direction will be less in the coming campaign. It is expected that licences will be granted for Portugal, Greece, Spain, and perhaps also Italy if the latter country comes forward. It is, however, probable that Italy manages to produce enough to dispense with importations. This aspect of the situation has not had so far much effect on sentiment, while it is obvious that merchants now require some little time to get into touch with their old customers ere they are able to undertake the placing of new contracts with makers. Current quotations range from 65*l.* per ton upward f.o.b. Liverpool, less 5 per cent. Last month's exports were 2,495 tons, making an aggregate of 51,455 tons for eleven months, this compared with 37,678 tons for the corresponding season's period.

American Peppermint Oil.

American peppermint oil has been considered more or less of a luxury in this country for a lengthy period, and as it has been very difficult to import the consumption is naturally very small, and market operations have been few. Considerable manipulation of the market has, however, taken place in the United States of late, it being reported that the "Peppermint Oil Trust" has forced the market up to $5 per lb. There appears to be great indignation at this action, judging by the following paragraph in the "Oil, Paint, and Drug Reporter": "The Trust is withholding all shipments and offers, and by this restraint of trade is attempting to develop a corner. Sellers are left in a position of having to repudiate obligations. According to views unanimously held by the trade, the action is a hold-up pure and simple. The threat to bring about a $5 price has been boasted by the growers. The pernicious feature of the case is the fact that information in the hands of essential oil houses shows that the Trust has plenty of oil. This same game of illegal manipulation was tried by the Trust some years ago. A combination to restrain the peppermint-oil trade was formed by the growers. They shot the price from $1 to $5 within a week. At that time the firm of Magnus, Maybee & Reynard took the Trust's activity before Government officials in Washington and the manipulation was crushed. The Trust has 'forgotten' this, but the trade has not. It is more than probable that the Department of Justice will be called upon to act. Shrewd propaganda, coupled with silence, is the lever used by the Trust in its present price-manipulating activity. The trade is far from silent, and the cry of 'Robbers,' 'Trust,' 'Hold-up,' and 'Conspiracy in restraint of trade' is heard on all sides. If plans go through the Trust will hear from Washington."

Indian Beeswax

In 1915 the Imperial Institute called the attention of the Government of India to the fact that the extensive adulteration of Indian beeswax was seriously interfering with the use of the wax in Russia for the manufacture of candles. After the outbreak of war the Russian Church authorities gave permission to their English agents to supply East Indian wax, which had previously been ruled out of their contracts. Commercial samples of the wax, which were examined by the agents, were considered, however, to be very unsatisfactory, only four samples out of forty being passed as free from adulteration. To judge from the examination of several samples which have been supplied to the Imperial Institute from India, there would appear to be considerable uncertainty as to what really is the precise composition of genuine Indian beeswax, and the Institute is going into the whole question with the object of establishing recognised standards for the Indian product.

Dutch Ergot.—Gatherers in the rye districts in Holland are to receive 10fl. per kilo. net weight from wholesale chemists and druggists.

Brazilian Mate-leaf.—The Brazilian newspapers notice the success attained by Brazilian propaganda in Europe for the introduction of maté; England is said to be disposed to authorise its consumption, if it is imported in the shape of tablets.

Correspondence

Reconstruction in Ireland.

Sir,—May we in Ireland hope that you will soon find the time and space to devote at least one or two of your incisive and illuminating Editorial articles to an examination of the position of pharmacy as it is in this country? The Council of the Pharmaceutical Society of Ireland has complained in season and out of season of the want of support it receives from its Licentiates. That is a confession on the part of the Council itself that things are not as they ought to be, and are not as they must be in the future if we are to be ready to deal with the serious problems which will confront us after the war. Complaining by the Council will not improve anything. Let them show themselves worthy of support, and the support will be forthcoming in abundance. Is there any evidence that the Irish Society has ever taken any steps to arouse the interest of the ordinary chemist in business for himself? It is of no use to plead that they have prosecuted a few people here and there for breaking the law. Mere police work excites no admiration or enthusiasm in the thinking pharmacist. We want a larger outlook to-day. We want wider conceptions of the duty the Society owes to its graduates. We need a Council that will look abroad on the world in these times of change and innovation. We need a Council that will reorganise our educational aims and methods and a policy that will uplift the art of pharmacy to that position which we all know to be its due. We want a Council that will be able to guide and direct us as a trade for our corporate welfare. We must have something from inside the Council, a breaking of new ground in many directions, or we shall not be satisfied. That the Council should be able to rely on the support of its Licentiates goes without saying. The Council will never receive this support until the Licentiates discover something to interest them in the work of the Council. This is the main point. Can the Council render sufficient service to the trade to call forth that support it so much desires? Otherwise, in what way can a sufficient body of interest be created among the Licentiates to apply the necessary stimulus to our Council, to make it a vital thing in our affairs, an element to be reckoned with, and to be taken into calculation in all our corporate aims and movements? As things have been hitherto the Pharmaceutical Council comes no nearer its Licentiates than, say, the London County Council. That condition can surely be changed. That there are men among us able to undertake that work is not, I think, open to doubt, but we cannot be so unreasonable as to expect men to undertake such work unless we who are in the rank-and-file are prepared to labour with them and to make sacrifices if necessary for the common weal.

We must be loyal to each other;
We must be loyal to our Associations;
Make clear what it is we want, and
Educate each other by comparing views;
Offer suggestions as to what is required.

If it be the opinion of the trade in Ireland that we have proper representatives on the Council, let us gather together for their support, stimulating them by constructive suggestions, and making known to them the wants of the trade. If, on the other hand, it is found we require new blood in the Council, the remedy is in our own hands. As the elections come around let us see to it that we give our votes to men of "the new idea," to men who can give us a business reason why they should be elected to the Council, and not to men whose only claim is a matter of sentiment, or the fact that they have already represented us, or misrepresented us, there. Faithfully yours,

187 Albertbridge Road, Belfast. Andrew Wilson.

Sir,—The statistics of the Pharmaceutical Society of Ireland as printed in the Calendar for 1918 give rise to feelings not by any means optimistic among those who desire the welfare and progress of the craft when they see in plain figures the amount of support the Society gets from those who pass through its gates. The number of pharmaceutical chemists on the Register in December 1917 is given as 1,055, of chemists and druggists as 94, and of registered druggists as 628—that is, a total of 1,777 registered persons in the drug-trade in Ireland, of whom only 417 have thought it worth while to pay the modest yearly fee required for membership. I am aware that the present year has witnessed an increase, particularly in the number of associate druggists, but when one considers the vital influence of the Society in our business and the importance of having that influence properly directed, not only for

the public good, but also for the well-being and benefit of the trade and in accordance with the wishes and aspirations of its members, one is amazed that it should be possible to find such a state of indifference to their own interests among a body of men and women proved to be of more than average intelligence. I know that some members of the Council have from time to time lamented the persistent neglect of its graduates to join the Society, but I do not know of any steps that have ever been taken to remedy this condition of affairs and to rouse the "slackers" to a sense of their duty and interest. The Society is just what its members make it. Now, it has occurred to me that it is surely time for at least one change, and that is in regard to the annual meeting. It was fit and proper that in earlier days, when its graduates were fewer and more scattered, all the meetings should be held in Dublin, and the same still applies to the monthly Council-meetings, as it is more central; but the great increase of men and women in business over the country renders it necessary that the Society should go out and meet them, as far as possible on their own ground, and make them feel that indeed it is, or should be, their Society. I suggest, therefore, that the annual meeting should be held one year in Dublin, the next year in Belfast, and the next in Cork, that assistants and apprentices (the Society of the future) be encouraged to attend, and that the notice convening the meeting be advertised in the public Press. Yours faithfully,

Ava Pharmacy, Belfast. J. HEWTON.

SIR,—The time is fast approaching for the election of President and members of the Council of the Pharmaceutical Society of Ireland, and it is felt that in the interests of the Society the time has come when a new President should be elected each year, and it is in the power of the annual general meeting of the members to recommend this to the Council and that the present system of two-yearly Presidents be abolished. It would greatly tend to popularise the Society and create a greater interest among the members generally and also in the Council itself.

Yours truly,

M.P.S.I. (91/7.)

Italian Exchange and Produce.

SIR,—The month of August has been marked by an enormous increase in the price of Italian produce on all consuming markets. The advance has not been brought about by natural causes, but by the direct intervention of the Powers in financial matters. For many years Italy has had a forced currency. Paper, assisted by denominational silver, alone circulates, and is not convertible into gold, or even silver, except by bargaining. With the advent of the war and the dislocation of trade the Italian currency became a speculative counter in the hands of international speculators, who bought and held up the sterling coming to Italy in payment for her diminished exports, and sold it to the Italian Government at an enhanced price. Attempts by various Italian banks, acting independently, to improve the value of the lira (with benefit to themselves), while achieving momentary success, met with ultimate failure, and the Italian Government created the "Instituto Nazionale per i Cambi," with a monopoly of dealing in exchange and with all sorts of safeguards, including even the right to stop all drafts in process of transmission by post out of the country. The first operations of the "Instituto" were even more disastrous than those of the banks had been, and the lira fell still further. At this point it was largely circulated all over Italy that the war was being carried on by England in order to make a huge profit out of Italy on the exchange. This story was very largely believed by the general public, who knew nothing about exchange matters, but who saw prices of everything going up. However, Italy's Allies have thought it sufficiently serious to take the matter in hand, and by conceding still further loans to Italy have enabled the "Instituto Nazionale per i Cambi" to resuscitate the value of the lira, and this they have proceeded to do in a spectacular manner. In the course of a few weeks the exchange on London has been forced down from 45 to 30. [It is now 30.25 to 30.37½ lira to the pound.—ED.] The result of this is that all Italian produce f.o.b. Italian ports costs in sterling precisely 50 per cent. more than it did. The further fall to par, which is generally taken at 25.35, is a matter entirely for the judgment, good or otherwise, of the "Instituto," which undoubtedly has it in its power to reduce exchange even below par if it so wills. The present effect on Italian commerce has not been good. Shipments of everything are limited to the completion of old contracts, mostly at very severe loss to the shipper, and the reduction of price in the necessities of life which the Italian public expected has not materialised. Best available opinion as to the future is that Italian exchange will be maintained at par or not greatly above it for some time to come, and that for articles which are exclusively or almost exclusively of Italian origin sterling prices will be maintained at an advance of over 50 per cent. Sulphur and citric acid are already controlled as to price, and must be excluded from any general rule, which can naturally only apply to articles in a free market. The very interesting experiment of the Italian Government in buying up stocks of old lemon oil for painting the ships of the Navy has been consigned into comparative oblivion, while merchants found their entire capital imperilled by exchange convulsions. A large amount of lemon oil quite worthless for any other purpose, has been taken over by the Government at a price only slightly less than the value of prime quality, and this must be considered as very satisfactory to everybody interested. All the lemons which previously to the war would have been shipped as fruit have been converted into essence, and as the shipments of essence have remained about stationary during the war this over-production has accumulated, and is considerable in quantity, while turpentine is almost unobtainable. After having searched diligently for so many years to find traces of turpentine in essential oils offered to me as pure, it is impressive to find that the tables are now turned, and that the tendency is to cheapen paint by using lemon oil instead of turpentine. In order to understand how this is possible it is perhaps well to explain that the sterling price until recently quoted for lemon oil was made up of the cost of the packages, the export duty, the freight, and the insurance and merchant's commission, the actual essential oil being, one may say without exaggeration, the least important item in the total cost. Contrary to general expectation, the Sicilian essential-oil industry flourishes exceedingly in spite of the war. Lemon oil is in its strong position mainly because the Italian Government has guaranteed the price of citrate of lime, which is the form in which lemon-juice, the main lemon product, is now marketed. Bergamot-growers tend to become always more wealthy, the entire value of the essential oil being net profit to them, the expense of cultivation being covered by the subsidiary products. Liquorice-paste, which during the war is also an Italian monopoly, continues to rise in value, and with the difficulty of finding labour to dig the root, the months of waiting to obtain railway wagons, the high cost of fuel (there is nothing but wood and a little lignite), prices must continue high. British consumers apparently will have no choice but to pay the present advance of 50 per cent. (or more) so soon as the feeble stocks in the United Kingdom are cleared up.

Yours truly,

Messina, September 7. ARTHUR A. BARRETT.

Elliman's Embroglio.

SIR,—We may as well now let you know that the thirty-one Federation wholesalers and Messrs. Boots are definitely eliminated from our *scheme* of distribution, to operate, *i.e.* the *plan*, at our convenience.—Yours truly,

Slough, September 14. ELLIMAN, SONS & CO.

The Honorary Huns.

SIR,—When one opens one's weekly *C. & D.* it is with the certainty that something piquant and to the point will be read, but I must say that last week's Editorial fairly astounded me. I did not realise before, nor, I believe, did the bulk of other members of the Pharmaceutical Society, that we were still honouring Germans. Does the Pharmaceutical Council not yet understand that there is a war on, and that the persons who have precedence of us in the Calendar are the colleagues and abettors of the fiends who introduced poisoning into warfare? It is high time this scandal and insult to British pharmacy was rectified. As a matter of fact, it is more than time, for the names of the Huns of whom you gave particulars should have been removed at least three years ago. One cannot expect much activity, of course, from a more or less moribund Council, but the few live members, such as Mr. Wolff, Mr. Hines, and Mr. Skinner, might surely get something done if they bestirred themselves in earnest. Is it too much to hope that this disgrace to pharmacy may be removed in the near future? Keep at it, Mr. Editor: something usually happens after your *exposes*.—Yours faithfully,

A HUN-HATER. (121/9.)

Aloes in Friar's Balsam.

SIR,—Your interesting note on Friar's balsam (*C. & D.*, September 14, p. 44) prompts me to say that for forty-five years or more I have always understood and taught that the uses of aloes in tinct. benz. co. were three: (1) To impart colour to the preparation; (2) to counteract its constipating effect when taken internally as it is—a few drops on a piece of lump-sugar; (3) to keep insects off wounds when it is used as a dressing, and prevent horses, cattle, etc., licking it when applied to their wounds and sores.

Yours faithfully,

ABEL SCHOLAR. (9/76.)

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

A. M. (178/73).—You have no legal claim to holidays or payment for overtime unless you have made an agreement to this effect with your employer.

Yorkmoor (141/52).—There is no Order preventing the retail sale of olive oil as an ingredient in a liniment, but sesame oil, which is cheaper and non-edible, is more suitable in these days when olive oil is scarce.

A. B. (179/68).—"Bay Rum and Cantharides Hair-wash" should be treated as Part II. poison, which can only be sold legally by chemists. There is an ambiguity in the entry "cantharides, tincture and all vesicating liquid preparations or admixtures of," but the official view is that all preparations containing cantharides are Part II. poisons.

Exempt (179/31).—It will be for the Military Tribunal to decide whether you would still be indispensable in the new situation you propose to take. Exemption has been granted in view of the circumstances of your present employment. Even though your medical grade is in the lowest category the National Service Ministry may claim your services for substitution purposes.

E. H. H. (176/15).—SALE OF STARCH-POWDER.—So far as we can see there are no restrictions on the sale of starch-powder by chemists. The Wheat, Rye, and Rice (Restriction) Order, 1917, prohibits the use of these cereals for any other purpose than the manufacture of articles suitable for human food, and the Potato (Restriction) Order, 1918, does the same for potatoes. The sale, however, of the starches by chemists is not rendering the starches unfit for human food.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. V. W. (173/13).—(1) BALSAM OF ANISEED:

Ext. glycyrrh.	ʒij.
Sacchari	ʒxvj.
Ol. anisi	ʒj.
Aq. dest.	℥xx.

Misce.

(2) MIST. BISMUTHI CO.:

Bismuth. citr.	1 oz. 362½ gr.
Liq. ammon.	q.s
Chloroformi	80m
Tr. nuc. vom.	2½ oz.
Ac. hydrocyan. dil.	320m
Liq. carmini	72m
Aq. dest. ad	℥xx.

Triturate the bismuth citrate with a little of the water, add solution of ammonia until the salt is just dissolved, and make up to 15 oz. with distilled water. Dissolve the chloroform in the tr. nuc. vom. and add to the bismuth solution, then add the solution of carmine, filter, if necessary, through talc, and wash the filter-paper with sufficient distilled water to make (with the ac. hydrocy. dil.) 1 pint.

Puzzled (120/59).—SOLIDIFIED WHITE OILS.—If the bottle is full, remove the stopper and place it in warm water to liquefy the contents. Transfer to another bottle and add a small proportion of water and ammonia solution to make up for the loss of ammonia.

E. H. C. (178/71).—(1) OPTICAL DIPLOMAS AND INSTRUCTION.—See *C. & D.* Educational Number (August 24), p. 47. (2) OPTICAL BOOKS.—Laurance's "General and Practical Optics" and "Visual Optics and Sight-testing" (6*s.* each).

G. P. (146/34).—APPRENTICESHIP.—See reply to "J. V. R.," *C. & D.*, September 7, p. 52. It is not possible to reply definitely to part of your inquiry. If you propose to instruct the hospital apprentice in your own time you could fix a fee on the basis of the time occupied.

H. N. R. (179/41).—REPAIRING SELTZOGENES.—When the contents of the upper vase leak into the lower part liquid plaster of Paris should be run into the upper vase. It requires, however, a little expertness to produce a neat job of this.

R. T. (142/23).—ALUMINIUM PAINT.—Aluminium powder is suspended in an aqueous solution of shellac. The lac solution is made by boiling 2 lb. of shellac with borax 8 oz. and soda crystals 8 oz. in a gallon of water. We have no formula for zinc paint, but it could be prepared in a similar way provided you can obtain metallic zinc in powder form.

A. B. (179/68).—(1) COMPOUND EXTRACT OF BUCHU:

Potass. nit.	ʒij.
Dec. scoparii conc.	℥vj.
Inf. buchu conc.	ʒvj.
Sacch. ust.	♏xv.
Sp. chlorof.	ʒij.
Tr. scillæ	ʒiij.
Aq. dest. ad	℥vj.

Misce.

(2) INFLUENZA MIXTURE:

Amm. brom.	ʒj.
Phenazon.	gr. xx.
Sodii salicyl.	ʒiss.
Inf. gent. conc.	ʒiij.
Syr. aurant.	ʒiij.
Aq. dest. ad	℥vj.

Misce. Dose ℥ss.-ʒj.

A. W. E. (180/1).—BOOKS ON ORGANIC CHEMISTRY.—The following deal especially with medical organic chemistry: May's "Chemistry of Synthetic Drugs" (Longmans, 10*s.* 6*d.*); Walker's "Organic Chemistry for Students of Medicine" (Gurney & Jackson, 6*s.*).

Kosam (145/33).—HAIR-RESTORER POMADE:

Sulph. præcip.	ʒj.
Plumbi acet.	ʒj.
Ceræ flav.	ʒiss.
Adipis benz.	℥viij.
Adipis jasmini	℥iv.
Ol. palmæ,	
Ol. limonis,	
Ol. bergam.	aa....ʒiij.
Ol. sesami	ʒxij.

Melt the wax and lard in a water-bath and remove from the source of heat. Add the oil, jasmin pomade, and palm oil, also the sulphur and sugar of lead previously rubbed to a smooth cream with part of the oil. Finally, as the pomade is setting stir in the perfume and pour into glass jars.

G. W. B. (27/7).—(1) CHROMOGENS IN THE URINE.—The colour of normal urine depends upon several pigments, but in greatest part upon urochrome. This body is precipitated by copper acetate, lead acetate, silver nitrate, mercuric nitrate, phosphotungstic and phosphomolybdic acids. It is estimated quantitatively by a colorimetric method, using a solution of "true yellow G." If 0.1 of this dye is dissolved in 1 litre of water and 5 c.c. of this solution diluted with water to 50 c.c., then the solution has the same colour and shade as 0.1-per-cent. urochrome solution. The urine is diluted with water until it has the same depth of colour. There are other allied pigments in urine, such as urobilin and urobilinogen, but the significance of the different chromogens is not well understood. (2) The precipitation of casein in cheese-making varies according to the physical conditions of the acidity and the curdling ferment.

J. W. K. (127/66).—The plates of the storage battery which has been put by for some time should be scraped and then washed with diluted sulphuric acid before recharging.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Sept. 15, 1868.

Pharmaceutical Remuneration.

Mr. R. W. Giles and other recent writers on the relation of remuneration to pharmaceutical responsibility have, travelling by different routes, come to the following conclusions: The druggist, not the public, is to blame for a diluted tariff. Secondly, for a man to ignore his previous training, its expense, and the reasonable advantage it should offer; to reap nothing from those mental qualifications which form part of his stock and fixtures, but, on the contrary, to vend dangerous compounds, the preparation of which demands time and skill, at no higher standard of remuneration than a grocer would claim for figs, is a proceeding worthy of Colney Hatch.

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Intensive Strychno - Arsenical Medication for Pulmonary Tuberculosis, Syphilis, Pernicious Anæmia, &c.

DIABETIFUGE.
A successful Anti-Diabetic. Gives most satisfactory clinical results (formula given). Administered in Cachets.

KINECTINE.
A Quinine Salt of Hectine. Prophylactive and Curative for Hay Fever, Rhinitis, Influenza. In Tablets.

Tested as per L.G.B. Regulations.

GALYL.
(Safe substitute for Salvarsan.) Intravenous and Intramuscular. Malta Fever, Malaria, Frambœsia, Sleeping Sickness, SYPHILIS.

HECTARGYRE.
A combination of Hectine with Mercury. Intramuscular Injection; also in Pills and Drops.

IODARGOL.
Electro-Chemical Colloidal Iodine in various forms. Specially successful as an Injection in Gonorrhœa. Painless.

MERSALV.
A fine Mercurial Cream. Contains 10 per cent. Metallic Mercury. A non-greasy preparation, entirely and quickly absorbed.

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For Constipation. A combination of pancreatic, biliary, and intestinal secretions. A normal regulator of the intestinal functions. Tablets.

URASEPTINE.
Composed of Urotropine and Helmitol. A powerful Urinary Antiseptic. Dissolves and eliminates Uric Acid.

TWO GOOD LINES.

EFFICACY, CUSTOMERS' SATISFACTION.
SALE OR RETURN. WRITE FOR SPECIAL TERMS.

30% NET PROFIT 30%

The most efficient Treatment of BURNS, VARICOSE ULCERS, &c.

AMBRINE

Ambrine is *the Only Authorised Preparation* of Dr. Barthe de Sandfort. We are compelled to state this, as there are various imitations.

SHOW THESE ON YOUR COUNTER. THE SALE IS CERTAIN.

Special Visit to Military Hospitals in France.

"Here we saw some wonderful cases of burns treated with Ambrine; the effect seems to be practically to provide the patient with a new skin, to say nothing of a fresh complexion."—*The Nursing Times.*

The Treatment of CARBUNCLES, BOILS, ACNE, and STAPHYLOCOCCAL AFFECTIONS.

STANNOXYL

(ROBERT & CARRIÈRE—PARIS.)

(An Oxide of Tin and Tin Metal Free from Lead.)

A scientific production the value of which has been studied very closely. The effect is very prompt; from the second day of treatment the pain is relieved. In the majority of cases definite results are obtained within five or six days; it is seldom necessary to take the full ten days' treatment, and relapses are unknown.

Vide THE LANCET, Jan. 19, 1918, pp. 99 and 109.

The daily dose for adults is 4 to 8 tablets; children 2 to 4 tablets.

Supplied in vials of 80 tablets.

DRUGS AND CHEMICALS.

Extracts
- „ Liquid
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Glycerophosphates
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- „ Sodii
- „ Potassii

Acid Salicylic
Sodium Salicylate
Methyl Salicylate
Salol
Phenacetin
Aspirin
Sodium Sulphite, cryst.
„ Sulphite anhydr.
Acid Pyrogallic
Acid Benzoic
Saccharine
Arecoline Hydrobrom.
Atropine Sulphate
Eserine Salicylate
Eserine Sulphate
Homatropine Hydrobrom.
Hyoscinae Hydrobrom.
Valerianates (various)
Coumarin
Paraphenylenediamine

etc. etc.

(2)

Inquiries Solicited for large and small quantities.

THIS SUPPLEMENT IS INSERTED IN EVERY COPY OF "THE CHEMIST AND DRUGGIST."

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICES: 42 CANNON STREET, LONDON, E.C.4

SEPTEMBER 21, 1918

Advertisements for this Supplement must be received not later than First Post on Thursday Morning.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, N. (Main Thoroughfare and in Busy Part).—Ready-money Business; returns, under management, upwards of £90 weekly; terms, nominal sum for goodwill and valuation of stock and fixtures; part payment.

2.—HOME COUNTY.—Modern Pharmacy, situate in pleasant district; well-appointed shop and ample stock; returns (present rate) £1,500 under management; the business admits of extension; full investigation invited; part payment.

3.—LONDON (Central).—Lock-up Shop; profitable business; returns under management £1,000, increasing; well-fitted shop, situate in busy main thoroughfare; present net profit £300; very moderate rental; price £450.

4.—LONDON, N.W.—An exceptionally good and reliable Business in select residential locality, returning upwards of £2,250, and producing a net profit of over £600; terms, valuation of stock and fixtures and sum for goodwill, to be agreed equitably; vendor retiring.

5.—KENT (Suburban).—Middle-class Retail and Dispensing Business; no N.H.I.; returns £900; *net profit* £249; comfortable residence; moderate rental; price £275 on entry, and balance £175 by instalments; full investigation courted.

6.—LEYTONSTONE.—Cash Retail Business; present hands upwards of 25 years; gross receipts £506; scope for extension; comfortable residence; rent £45; no near opposition; terms, valuation of stock and fixtures.

7.—LONDON, N.W.—Ready-money Business; returns, present rate, £30 per week; gross profit about one-third; rent £50; no near opposition; price £350 for speedy transfer.

8.—HARROW (Within Easy Distance of).—Retail and Dispensing Business; returns about £4,000, present rate; business suited to an energetic man with knowledge of good-class trading; terms, valuation of stock and fixtures and premium for goodwill.

9.—SOUTH COAST.—Situate in good position in main thoroughfare; well-established Business for disposal through death; returns about £2,500; well-appointed shop and good stock; valuation of stock and fixtures only required.

10.—HANTS.—Dispensing and Retail Business, situate in the centre of fashionable health resort; returns between £2,500 and £3,000; the business is well suited to one requiring residence in a mild climate; valuation terms.

11.—For disposal, well-known Proprietary Business, which has been established upwards of 100 years; gross receipts average between £2,500 and £3,000 yearly; net profit exceeds £750; price, to include goodwill, stock, plant, and book debts, £3,000.

12.—SEASIDE (Fashionable Watering Place).—Sea view; an established good-class Retail and Dispensing Business, held by vendor many years; returns, present rate, about £1,200; well-fitted shop; vendor is giving up owing to ill-health and advanced years; a reasonable offer would be considered.

13.—WESTERN COUNTY.—Old-established Business, situate in one of the best positions in good market town; returns between £1,600 and £1,700; commodious residence, with private entrance, garden, and greenhouse; price about £1,000.

14.—SOUTH COAST (Seaport).—Cash Retail Business, capable of extension; returns, present rate, £600; the shop offers a good nucleus; small residence; rent moderate; price £300.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

BIRMINGHAM.—Compact little Pharmacy in a rising suburb; pleasantly situated; nice house and garden; rent £30 and rates; suit qualified or unqualified; reasonable price for immediate. Apply 12/26, Office of this Paper.

LONDON SUBURB, N.E.—Progressive Cash Retail; last year's returns £1,600; rent £42; established 17 years; no N.H.I.; price £550. Address "H." (13/18), Office of this Paper.

LONDON, N.—Exceptional opportunity for a smart man; a nicely-fitted, stocked corner Shop in business and residential district; turnover under war management about £700; good house; rent low; price £250; would consider part payment and balance by instalments. "Cayenne" (14/1), Office of this Paper.

MANCHESTER.—Light Retail Pharmacy in pleasant suburb; established over 12 years; no opposition; suit lady; good residential locality; rent and rates low; good house; value of fittings asked, or offer for early sale. Chemist, 7 Highfield Street, Hightown, Manchester.

NEAR MANCHESTER.—Businesses for Sale at Newton Heath and Failsworth; working-class districts; lock-up shops. Bagshaw, Chemist, Newton Heath.

NORTH DEVON.—Good-class Retail and Dispensing Business in rising seaside resort; death cause of sale; established 1890; price £150, inclusive of stock and goodwill; adjoins library and tourist bureau; good house at inclusive rental of £40 per annum. Fullest particulars from Tourist Bureau, Combe Martin.

BUSINESS for Sale; Manchester district; two nicely-fitted Drug Stores; pre-war returns £10 and £12 respectively; both in working order; complete small stocks; one lock-up; electric light; rent 12*s.* 6*d.* weekly clear; hours need be 9 a.m. to 6 or 7 p.m. only; the other has good house, bath, etc.; rent £28; will reduce stocks in either to £50 and accept £100; owner could double returns. Apply 13/60, Office of this Paper.

FOR SALE.

WHAT offers for 110 oz. Quinine Bisulphate? R. Gibbins & Co., 1 Birkbeck Road, Kingsland, London, E. 8.

BUSINESSES WANTED.

WANTED to purchase, small Wholesale, Manufacturing, or Retail Business; Midlands preferred, not essential; must bear strictest investigation. Full particulars, in confidence, 11/22, Office of this Paper.

WANTED, in Manchester or surrounding district, a thoroughly sound business with a good turnover, showing a reasonably net profit. State particulars and terms of purchase, in strict confidence between parties (cash down in case of purchase), to Beta, c/o Messrs. Thos. Tomlinson & Son, 45a Market Street, Manchester.

AGENCIES.

BUYING Agents wanted for the finest range of Sugar Substitutes on the market; ready sales. "H. 24," c/o W. H. Smith & Son, Advertising Agents, Blackfriars, Manchester.

MANUFACTURERS' Agents, with London office, desire Agency for one or two quick-selling lines. Full particulars to "Energy" (11/19), Office of this Paper.

SPECIALTY Salesman seeks Agencies from Live firms; first-class experience; London and Provinces. Apply 2/50, Office of this Paper.

THE ANGLO-FRENCH DRUG CO., LTD., desire to inform the trade that they have opened a Branch in Paris with large Stock Rooms. They are therefore now in the position to offer their unique experience in introducing British goods and Specialities into France, and would be pleased to receive proposals as to sole Agencies. The Company would also act as buyers in France for British and Colonial firms on a small commission basis. Proposals, etc., which will be treated confidentially, to be sent to the Head Office, Gamage Buildings, Holborn, London, E.C. 1.

WANTED, Representatives (who require a good additional side line), calling on high-class Chemists, to carry on commission basis a first-class speciality, showing Chemists good remuneration. State in first letter ground covered to "Tonkarsal," Wilson & Dickinson, Bath, Spa.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,
45a MARKET STREET, MANCHESTER.
Established over Half a Century.
Telegraphic Address: "Tomtom."

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.
Telephone: 1809 Central.

NO CHARGE TO PURCHASERS.

1.—SOUTH COAST.—First-class Retail and Dispensing Business; in same hands many years; retiring; returns about £900; commanding position; plenty of scope in energetic hands; attractive Pharmacy; well stocked; price simply valuation; no goodwill.

2.—OXON (Death Vacancy).—Old-established good-class country Business in centre of large agricultural district; quite unopposed; returns £1,350; *net profit* £367; good house and garden; well stocked shop; price about £900.

3.—LANCS.—Sound Cash Retail, within three miles of Bury; present returns about £1,000; no panel; wine licence; very low rent; same hands many years; population 7,000; good chance for smart man; price £400, or offer.

4.—CITY (Death Vacancy).—High-class Dispensing and Retail in splendid position; returns average about £30 weekly under management; plenty of scope; price for quick sale simply valuation, about £650.

5.—SOUTH LONDON (Close to City).—Brisk Cash Business for disposal; returns nearly £40 a week; good profits; splendid corner position in busy main road; fully stocked; good modern premises; price £1,000; could arrange entry with £600 cash.

6.—LONDON, S.W.—Good-class Retail and Dispensing Business, in fine position, close to busy station; returns £1,000; no panel; clear net profit over £300; books properly kept; scope for increase, owner retiring; price £450; part could remain; strongly recommended.

7.—LONDON, W.C.—Profitable Cash Retail, increasing; returns, under Manager, £1,050; *net profit* £300; low rent; good position and well stocked; price £450.

8.—LONDON SUBURB, S.E.—Well-established Cash Retail; very profitable, and scope for increase; returns £540 under Manager; *net profit* £250; price £300, about value of stock and fixtures.

STOCKTAKINGS.

We are now booking dates for October, and appointments should be made early to avoid dates clashing. Terms sent on application. 45 years' practical experience.

LEGAL.

IN THE MATTER OF THE INDO-BURMA COMPANY, LIMITED.

NOTICE IS HEREBY GIVEN, pursuant to Section 188 of the Companies (Consolidation) Act, 1908, that a Meeting of the creditors of the above-named Company will be held at the Institute of Chartered Accountants, Moorgate Place, Moorgate Street, in the City of London, on MONDAY, the 30th day of September, 1918, at 2.30 o'clock in the afternoon.

J. E. WILSON, Liquidator.

SITUATIONS OPEN.

RETAIL.

BATH.—Assistant, chiefly for Dispensing; either sex; Pharmacy experience essential; very moderate hours. Apply 13/20, Office of this Paper.

CHESHIRE (near Liverpool).—Wanted, unqualified Assistant (ineligible); first-class Dispensing; good Counterman; outdoors; weekly half-day; every third Sunday duty. Apply, giving full particulars and salary required, to 13/22, Office of this Paper.

CORNWALL.—Qualified Assistant, lady or gentleman (if ineligible), to manage branch in country market town; outdoors; easy hours; permanency. Send usual particulars to W. E. Pilgrim, Pharmacist, Falmouth.

EASTBOURNE.—Wanted, experienced Assistant, outdoors, ineligible, competent, to take charge; hours 9 to 7. Apply personally or by letter, giving full particulars, to Gould & Co., Victoria Pharmacy.

ECCLES, NEAR MANCHESTER.—Wanted, unqualified Junior; lady or gentleman; good-class Dispensing business; convenient for Manchester schools, for which arrangements could be made to attend part-time. Woodhead, Chemist, Eccles.

GODALMING.—Junior Assistant; unqualified; ineligible for Army; capable Dispenser. State full particulars and salary required (outdoors), Mather, Pharmacist, Godalming.

HULL.—Wanted, Assistant (outdoors); used to good-class Retail and Dispensing business. Send full particulars, age, reference, and salary required, S. T. Kirton, Chemist, 53 Savile Street, Hull.

KENT (Seaside).—Thoroughly capable Assistant for Light Retail; one able to take entire charge for a few weeks. Apply, giving full particulars, age, experience, references, etc., 14/36, Office of this Paper.

LEEDS.—Qualified Assistant, lady, or gentleman if ineligible, in Retail and Dispensing department. State age, experience, salary required, Reynolds & Branson, Ltd., Leeds.

LONDON, N.—Unqualified, discharged or ineligible, for Cash Retail and Dispensing; outdoors. State full particulars and salary required, or call, "H.," 35 Junction Road, N. 19.

LONDON, N.W.—Experienced Assistant required; accurate Dispenser; good general knowledge of middle-class business; N.H.I.; outdoors; no Sunday duty. Apply A. Hodgson, Chemist, 3 Millbrook Place, Harrington Square, N.W. 1.

LONDON, S.E.—Wanted, an Assistant; lady or gentleman; good Dispenser, and assist at Counter; good wages. Apply, stating age, salary required, experience, and when disengaged, to "T. C." (13/21), Office of this Paper.

LONDON, S.W.—Required, an experienced Dispenser for good-class Pharmacy; could sleep in. Full particulars, 14/31, Office of this Paper.

LONDON, W.—Junior Assistant on September 30th (lady or gentleman); outdoors; hours 8.30 to 7. Reply, stating usual particulars, to "M." (181/16) Office of this Paper

LONDON, W.—Required, outdoor Assistant; full or part time; Army discharged; no N.H.I. Dispensing; two others kept. Full particulars to 14/10, Office of this Paper.

LONDON, S.W.—Dispenser (lady or gentleman) for high-class Dispensing; easy hours. Reply, stating full particulars, 10/19, Office of this Paper.

LONDON, S.W.—Competent Assistant for Dispensing Counter; no N.H.I.; short hours; no Sunday or Bank Holiday duty; personal application preferred, or full particulars to Manager, Drug Department, Messrs. Francis & Son, Ltd., 448 Brixton Road, S.W.

LONDON, W.C.—Assistant wanted for two or three evenings a week. Burden & Co., 41 Store Street, Bedford Square.

MANCHESTER.—Junior unqualified Assistant or Stockkeeper wanted (early in October); badged man preferred. Blain & Hankinson, Pharmaceutical Chemists (formerly Woolley's), 69 Market Street.

MANCHESTER.—Lady Pharmacist and two unqualified lady Assistants required; comfortable berth. Please apply with full particulars, so as to save time, to C. H. Griffiths, Ltd., Chemists, Droylsden.

MANCHESTER.—Experienced lady Pharmacist or Apothecaries' Hall required for Dispensing and Counter. Please state full particulars and salary required to 13/24, Office of this Paper.

MANCHESTER.—Assistants wanted; qualified and married Assistant; £4 10s. and good house free; to work branch single-handed. Assistant; married; salary £2 10s. and free house. Also young female Assistant; usual hours and half-day holiday. Particulars of previous experience, etc., to 13/6, Office of this Paper.

MANCHESTER (Near).—An Assistant wanted for Counter and N.H.I.; lady or gentleman; working-class district; full particulars and salary required to Stout, Chemist, Tyldesley.

MIDDLESBROUGH.—Enock, Chemist, Southfield Pharmacy, requires an unqualified Assistant; lady or discharged soldier, whichever is the first to apply. In first letter please state salary required and all relevant particulars.

N. WALES.—Qualified Manager; suit elderly gentleman or one in delicate health, as work is light; half-day, no Sunday duty, and easy hours; beautiful country and scenery. Apply, state particulars, to 14/37, Office of this Paper.

ORMSKIRK, NEAR LIVERPOOL.—Wanted, capable lady or gentleman Assistant (outdoors) in good-class country business; two other Assistants kept. Apply, giving full particulars, to Garsides, Ltd., Ormskirk.

SHREWSBURY.—An Assistant wanted for good-class Business with light Dispensing; permanency. J. E. Henshaw, 23 Wyle Cop, Shrewsbury.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTHSEA.—Lady Assistant required, chiefly for Dispensing, with Hall qualification or other experience; outdoors. Apply, giving usual particulars and salary required, etc., Arnold & Sons, Southsea Pharmacy.

SOUTH-WEST SEASIDE RESORT.—Competent, qualified Manager for good-class Dispensing and Light Retail business; reasonable hours; permanency; convenient house provided; opportunity to acquire an interest in the business; offered to a real progressive man. Apply, with usual particulars, to 14/27, Office of this Paper.

SURREY.—J. Wearing, Pharmacist, Woking. If any Assistant needs a real good berth where liberal salary and good prospects are shown (two Assistants kept), let him apply immediately. 'Phone No. 164.

SWANSEA.—J. T. Davies (Chemists), Ltd., require a smart Junior Assistant; unqualified; outdoors; high-class business.

TORQUAY.—Lady Dispenser (qualification not essential) required at once for high-class business; no N.H.I. State age, experience, references, and salary to C. Sloman, 282 Union Street, Torquay.

WEST OF ENGLAND.—Wanted; Assistant Dispenser, lady recently qualified would do, to take second place at Dispensing Counter, price Prescriptions, and do Clerical work. Please give full particulars, with salary required and experience, if any, to 14/18, Office of this Paper.

WEST RIDING.—Young lady Assistant required for Light Retail and Dispensing business; comfortable permanency. State age, Dispensing experience, and when at liberty, "W. R." (11/15), Office of this Paper.

YORKSHIRE, WEST RIDING.—Elderly qualified man required; very easy hours; light duties; permanency if desired. "L. M." (11/151), Office of this Paper.

ASSISTANT, discharged soldier preferred, accurate Dispenser and good Salesman, for best-class Retail; 9 to 7, Saturdays 8, Wednesdays 1; four juniors kept; good position for capable man. Apply, with full particulars, to Francis Hallam, Ltd., The Rexall Pharmacy, Burton-on-Trent.

ASSISTANT wanted; lady or gentleman; outdoors; accustomed to brisk Counter trade; easy hours, no Sunday or Bank Holiday duty; personal interview preferred. Apply, with full particulars, salary required, etc., to Quin & Axtens, Ltd., Drug Department, 418 Brixton Road, S.W. 9.

ASSISTANT wanted; qualified or unqualified; good middle-class and agricultural business, a little Wholesale; short hours, no Sunday or Bank Holiday duty. State usual particulars and salary required, "X. L." (7/8), Office of this Paper.

ASSISTANT for brisk Retail and Dispensing business; good salary and prospects to a suitable man. Packer, Seaford, Sussex.

ASSISTANT required to take charge of a branch business (lock-up shop); must be an active and competent man. Apply A. J., 12 Wigmore Street, W.

ASSISTANT wanted after October 9th; lady or gentleman; Dispensing experience necessary; reasonable hours. Also evening Assistant several evenings weekly. A. E. Grimwade, 81 Cornwall Road, Westbourne Park, W. 11.

ASSISTANT wanted; lady or gentleman; unqualified; outdoors. Particulars to Bishop, Chemist, Thames Ditton.

ASSISTANT wanted for good-class Retail and Dispensing business; lady or gentleman (outdoors). Also part-time Assistant wanted. Apply, giving usual particulars as to experience, salary required, etc., D. T. Davies, 567 Finchley Road, Hampstead, London, N.W.

ASSISTANT wanted (temporarily); outdoors; good Dispensing experience essential. Apply, with full particulars, stating salary required, to J. G. Gould & Co., 23 North Audley Street, W. 1.

ASSISTANT wanted in a City business; hours short; no Sunday work; good references. Cooper, 20 Royal Exchange, E.C. 3.

BRANCH Manager; qualified; lady or gentleman; easy compact shop. Apply, giving usual particulars, salary required, and recent references, to E. J. Latham, M.P.S., Shirebrook, Derbyshire.

CHEMIST, qualified Manager, over military age or rejected, required for first-class business in the provinces; splendid opportunity for capable and energetic man. Apply, stating age, salary, and experience, to 175/50, Office of this Paper.

DISPENSER (lady or gentleman) required at once; no N.H.I. Apply Cooper, Son & Co., Ltd., 80 Gloucester Road, S.W. 7.

DISPENSER wanted in about a fortnight's time; liberal salary to experienced man; E.C. district. Apply 13/11, Office of this Paper.

DOCTOR in S.W. district requires Lady Dispenser; need not be qualified; hours 10-12 and 7-9 daily, except Sundays. Please state experience and salary required, 5/17, Office of this Paper.

DOCTOR requires Dispenser (at once) for morning and evening Surgery. Apply, stating full particulars, to 13/37, Office of this Paper.

FIRST week in October, Junior Assistant, unqualified, lady or gentleman, the latter ineligible or discharged, for Light Retail and Dispensing, with Post Office; outdoors. G. Dauncey, 6 Nugent Terrace, St. John's Wood, N.W. 8.

HOSPITAL FOR CONSUMPTION AND DISEASES OF THE CHEST, BROMPTON, S.W. 3.

THE Committee of Management invite applications for the post of CHIEF DISPENSER to the Hospital.
Salary £250 per annum, rising, with lunch daily.
Applications and testimonials to be sent to the undersigned.
FREDERICK WOOD, Secretary.

JUNIOR or Improver; suit young lady; Counter, Dispensing. Full particulars, salary, etc., Henderson, Pharmacist, Llanelly.

LADY Assistant for quick Retail; mostly Counter; little Dispensing. State salary required, Kemsey-Bourne, Chemist, West Bromwich.

LADY Dispenser required (outdoors) for good Dispensing business; 20 miles from London; residential district; salary £2. Also Locum for one week, October 7th-14th. Apply 12/27, Office of this Paper.

LADY Dispenser, willing to help in wards, wanted for Hospital for Serbian civilians on Salonica Front. Apply to Lady Grogan, Serbian Relief Fund, 5 Cromwell Road, S.W. 7.

LADY, qualified or unqualified, for Counter and Light Dispensing; a competent Window-dresser would be preferred; short hours. J. E. Henshaw, 23 Wyle Cop, Shrewsbury.

LADY, elderly gentleman, or partially disabled Chemist wanted for Light Dispensing; also unqualified. Bredribb, 344 Mare Street, Hackney.

LOCUM for about three weeks from September 30th. Full particulars to C. P., 41 King Street, Southall, W.

LOCUM required (end of September or early October); £5 per week; fare one way. "Chemicus," 26 Heanor Road, Ilkeston, Notts.

MANAGER required for branch; good-class Light Retail; must be qualified, energetic; commission given on increased business. Apply, stating salary required and other usual particulars, to T. G. Stewart, 1 Church Road, Bracknell.

MANAGING Assistant required for good-class business in manufacturing district; liberal salary. Apply Tiley, Pharmacist, Burslem, Stoke-on-Trent.

MANAGER wanted; qualified or unqualified; outdoors; ineligible; knowledge of Photography and Optics a recommendation; salary up to £5, according to ability; no Sunday or evening duties. Apply E. R. Dixon, Chemist and Optician, Lincoln.

MESSRS. HARRODS, LTD., have a vacancy for Counter Assistant (unqualified); hours 9 to 6; meals provided; good income assured. Apply Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

MINOR qualification, chiefly for Dispensing, but capable of taking charge; lady or gentleman; London suburb. Full capabilities and salary required first application, to 181/73, Office of this Paper.

QUALIFIED Manager; good-class Retail and Photographic; London; give full particulars, including salary. Reply 12/28, Office of this Paper.

QUALIFIED Assistant wanted, Light Retail, pleasant market town (Midlands), with a view to succession. Address, stating age, reference, and salary required (retiring), c/o Southall Bros. & Barclay, Ltd., Birmingham.

QUALIFIED Dispenser for Saturday afternoons and two evenings weekly. Dyson & Co., 35 Gloucester Road, S.W. 7.

QUALIFIED Locum (at once); South Coast; salary, etc. Apply 15/29, Office of this Paper.

QUALIFIED Assistant (outdoors); near City; hours 9-7.30, Thursdays 1; no N.H.I.; no Sunday duty; permanency; state age, experience, salary required, and when disengaged. Also Locum for about two weeks. Apply to "A. B." (13/4), Office of this Paper.

REQUIRED, a fully-qualified Assistant; lady or gentleman; discharged or over military age. Apply with full particulars, stating salary, etc., to Longman, Chemist, Littlehampton.

SURGICAL INSTRUMENT BUSINESS.—Assistant for Shop Counter; state age, other duties accustomed to, and wages expected. Reply "Surgical," Lee & Nightingale, Liverpool.

THE METROPOLITAN EAR, NOSE, AND THROAT HOSPITAL, 2 Fitzroy Square, W. 1.—Dispenser wanted for afternoon; Hall qualification necessary. For particulars apply to the undersigned, John MacKinna, Secretary.

UNQUALIFIED Assistant wanted for Dispensing and Counter; National Insurance; permanency; in- or out-doors. State full particulars, with salary required, 186 Mare Street, Hackney, E. 8.

UNQUALIFIED Assistant wanted for a few weeks. Please state age, experience, and salary required (indoors or outdoors), A. E. Sawyer, Pharmacist, Southwold.

UNQUALIFIED Assistant, with good experience in the Retail, required for the Stocktakers' department of a large firm of Chemists (Retail); single man preferred; permanency, with excellent prospects. Apply 11/150, Office of this Paper.

VACANCY for experienced Assistant for good-class business; must have good appearance, gentlemanly, smart, and pleasing at Counter; not over 42 years; Grade III. or rejected; undeniable references; knowledge of Wholesale manufacture an advantage, as soon proprietor will extend this branch; near London; salary £4 weekly; permanency and prospects to a really smart, trustworthy, and all-round man. Apply 13/29, Office of this Paper.

WANTED by the Gilfach Goch Medical Scheme, lady Dispenser. Apply, giving particulars, to Secretary, Brynteg, Gilfach Goch, Glam.

WANTED (immediately), gentleman or lady Assistant (latter with previous Chemist's experience), for good-class Retail, Dispensing, and Photographic; excellent and progressive salary to an efficient person. H. Hall, Chemist and Optician, 31 The Broadway, Crouch End, London, N. 8.

WANTED, Junior or Improver, either sex, to assist in two country Light Retail businesses; please state salary required and references; knowledge of Optics and Dentistry an advantage, but not essential. Greensmith, Chemist, Soham, Cambs.

WANTED, Assistant; N.H.I. and general Retail; please state experience, when at liberty, age, grade, and salary required; lady not objected to; no Sunday duty. J. F. Miller, Chemist, Ashton-under-Lyne.

WANTED, youth under military age, who has had some experience; capable of earning good wage; willing to be generally useful. Photo, age, salary, references, to Lashams, Chemist, Romford.

WANTED (immediately), unqualified Assistant; lady or gentleman; discharged soldier or one exempted if gentleman. Apply Barkers, Chemists, Grimsby.

WANTED, Assistant; male or female; outdoors; unqualified; ineligible or of low category. Apply, stating age, experience, and salary expected (no Sunday duty), to Cooper, Pharmacist, Failsworth.

WANTED, qualified Manager (immediately). Apply, giving full particulars and salary required, to Mrs. J. A. Bryden, 73 Kent Street, Barrow-in-Furness.

WANTED, Assistant; good Counter man; ineligible; Light Retail; no N.H.I.; short hours. Apply to A. C. Pyecroft, 9 Ferndale Grove, Frizinghall, Bradford, giving experience, salary, etc.

WANTED on South Coast, qualified Manager for Dispensing and Retail department. Apply, stating reference and salary required, to 13/34. Office of this Paper.

WHOLESALE.

ILFORD.—Howards & Sons, Ltd., require an Entering Clerk (discharged or ineligible man) or a lady Clerk; experience necessary; permanent post.

LONDON house requires Laboratory Assistants (male) for manufacture of Galenical preparations. Replies, stating age, previous engagements, and wages, to "Laboratory" (182/3), Office of this Paper.

ANALYTICAL LABORATORY.—Assistants wanted; must be conversant with Volumetric work and preferably have knowledge of Pharmacy; £90 to £130. Box 661, Smith's Agency, Ltd., 100 Fleet Street, E.C. 4.

ASSISTANT required, with some knowledge of the manufacture of Toilet goods, for old-established Sundries House. Apply, stating experience and salary required, to "E. G. R." (179/34), Office of this Paper.

ASSISTANT required, with experience in the making of Perfumery and Toilet preparations. Apply, stating age and experience, to Manager, Drug Department (Manufacturing Section), Army and Navy Stores, 105 Victoria Street, S.W. 1.

CLERKS, male or female, with some experience in Wholesale Druggists. Apply, with particulars of experience, salary required, and when disengaged, to T. C. D., Burgoyne, Burbidges & Co., Ltd., East Ham, E. 6.

FOREMAN required by a progressive firm of Manufacturing Chemists; applicants should have a knowledge of the manufacture of Malt Extract and Pharmaceutical products. Apply, stating experience, age, and salary required, to "A. B." (12/3), Office of this Paper.

LADY, with Chemical knowledge, Hall qualification preferred, to assist in Works Laboratory at Stratford, London; permanency. Write, stating age, experience, and salary required, to Z. W., 620, care Deacon's, Leadenhall Street, E.C. 3.

LADY Invoice Clerk wanted; also Wet Counterman and Cellar Hand. State experience and wages required, Gale & Co., Ltd., 15 Bouverie Street, E.C. 4.

MANUFACTURING DEPARTMENT.—Unqualified Assistant to prepare Pharmacopœial preparations and Proprietaries, and to take charge of Machinery for Dry Mixing, Crushing and Grinding Drugs, and the Milling of Ointments, etc. Applicants, who must be ineligible for military service, should send full particulars of experience, stating age and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

PACKERS wanted for bottled and tin goods. Apply, giving references and wages required, to "Sanitas" Co., Ltd., Locksley Street, E. 14.

TABLET Maker or Granulator wanted; Liverpool; permanent post; good salary. Apply 137/18, Office of this Paper.

TRAVELLERS.—Progressive firm, with fine range of distinctive quick-selling, very profitable packed goods, require Representative to call on Chemists in London, also one for Lancashire and Yorkshire; excellent scope and prospects for live men. Apply 6/32, Office of this Paper.

TRAVELLERS wanted to push line, selling Toilet preparations amongst Chemists, Drapers, and Hairdressers. "Perfume" (181/49), Office of this Paper.

WANTED, a fully-qualified Assistant Manager for a first-class house in the West-End; one able to take such a position will be liberally dealt with; plenty of prospects for advancement. Apply 12/4, Office of this Paper.

WANTED, experienced Tablet Machinist. Apply W. B. Cartwright, Ltd., Tablet Makers, Rawdon, near Leeds.

WANTED, Packer for light goods. Address, giving references and wages required, to "Export," 64 Crutched Friars, E.C.

WANTED, in the Manufacturing department of a large London Stores, a man experienced in the manufacture of Tooth Pastes, Creams, and Face Powders; ineligible for military service. State experience and wages required to 10/14, Office of this Paper.

WET and Dry Counter men required by a London Wholesale house. Apply by letter, stating age, military exemption, prmevious experience, and salary required, to "Cascara" (182/300), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

JAPAN.—Wanted immediately, an Assistant (qualified preferred) in a first-class Chemist's business at Kobe; easy hours; four years' contract; passage paid out and home; must be ineligible for the Army. Send for full particulars, with photo, to J. W. Franklin, 28 Alleyn Road, London, S.E. 21.

PARIS.—Competent Dispenser; qualified preferred; male or female; outdoors; no Sunday duty. Write, giving particulars of age, experience and salary required, and enclose photo if possible, Roberts & Co., 5 Rue de la Paix, Paris.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

BIRMINGHAM.—Manager of Branch or otherwise in Birmingham; used to taking entire charge; over military age; active; used to brisk Counter trade; life experience; shortly disengaged. Apply 14/5, Office of this Paper.

AS Locum; permanency; good references; reasonable terms. Chemist, 47 Wilton Avenue, Southampton.

AS Locum; experienced; well recommended; Liverpool district preferred; disengaged September 28th; ex-Sergeant, Special Brigade, R.E. 64 Portelet Road, Stoneycroft, Liverpool.

ASSISTANT (unqualified) desires part-time work; evenings; Birmingham; good Dispensing experience. Apply 10/3, Office of this Paper.

ASSISTANT; unqualified; whole or part time; eighteen years' experience; qualified in America. Address "Indian," 10 Torquay Street, Paddington, W.

ASSISTANT; unqualified; all-round experience; rejected; Birmingham, Liverpool, or districts. Apply 11/10, Office of this Paper.

ASSISTANT; unqualified; Grade 3c; good London experience; competent, abstainer; City or West-End preferred. "Alpha" (11/190), Office of this Paper.

ASSISTANT; lady; six years' experience; West-End reference; London or suburbs. Apply "X." (12/39), Office of this Paper.

BRANCH Manager (14 years) seeks permanency; references, reliability, success unquestionable; qualified; 44; married. "Aceto" (10/4), Office of this Paper.

CHEMIST (elderly) requires berth as Manager; permanency; Minor qualifications; good Prescriber and Extractor; obliging, abstainer; good references. "Chemist" (11/23), Office of this Paper.

COMPETENT reliable Assistant, with excellent all-round experience, including Photography, desires more lucrative post; 35; unqualified; Grade 3; married. State salary and full particulars to "Colchicum" (11/34), Office of this Paper.

DISPENSER (Hall), aged 26, desires engagement; 2½ years' Hospital experience (civil and military); excellent testimonials; South of England. "Trix" (9/31), Office of this Paper.

DISPENSER; Apothecaries' Hall; part-time; fluent French; West-End experience; date arranged. Write "Advance" (3/31), Office of this Paper.

DISPENSER, lady, Hall certificate, desires temporary post. Apply A. P., "The Hollies," Tettenhall, Wolverhampton.

DISPENSER, experienced, over military age, disengaged shortly. Apply 14/25, Office of this Paper.

DISPENSER, lady, Hall qualifications, experienced, accustomed to dressings and assist at minor operations, desires post; Manchester or Liverpool district; time for study. Apply 179/66, Office of this Paper.

DISPENSER, woman (Hall), experienced in Institution and Doctor's work, desires post. Address 13/1, Office of this Paper.

DISPENSER (woman), Hall, good experience, desires post about 35 hours weekly while studying further exam., London. Apply 14/38, Office of this Paper.

ELDERLY; qualified; free October 7th. Hyne, 41 Bell Street, Henley-on-Thames.

EXPERIENCED, unqualified, discharged Army, married, 38, recommended, seven years' last, desires permanency; fullest particulars please. Offers not answered three days respectfully declined. Apply 12/15, Office of this Paper.

HOSPITAL Dispenser; locum; qualified. Irving, 66 Rowfant Road, Balham, S.W. 17.

IMMEDIATE; qualified Manager; middle-aged; permanency; locum; middle-class, with N.H.I.; West of England preferred; could commence 23rd inst. Apply 14/20, Office of this Paper.

INELIGIBLE; five years' London experience; Dispenser, Photography, quick Salesman. State salary, "Unqualified" (14/32), Office of this Paper.

LADY (Hall certificated), studying for Minor, desires part-time Dispensing in London; excellent testimonials, and experience with Chemist, Doctor, and Hospital. Apply 9/37, Office of this Paper.

LADY Dispenser, Hall experienced, requires post in London; Hospital or Doctor preferred. Address Headley, Hopkinson House, 88 Vauxhall Bridge Road, London, S.W. 1.

LADY Dispenser, Apothecaries' certificate, experience, desires post; Doctor, Chemist, or Dispensary; Falmouth-Truro district; whole or part time. Jenkin, St. Feock, near Devoran, Cornwall.

LADY Dispenser, Hall, three years' experience, desires permanent post; Doctor preferred. "Materia" (275/6), Office of this Paper.

LADY, 27, quick and very obliging, real Saleswoman in temperament, desires position in Toilet Counter to learn; living wage; references; disengaged. Pottle, 1 Winchester Street, Pimlico, S.W. 1.

LADY Dispenser, London, City experience, desires post with Doctor or Institution in Liverpool district; short hours. M. J., 6 Mersey View, Blundellsands.

LADY (Minor) desires evening work in good Retail business; Manchester. Replies to be addressed to 13/3, Office of this Paper.

LADY Dispenser (Hall); free beginning October; several years' experience; good references; locum or permanency to Doctor, Hospital, or Institution. Miss MacSheehy, 24 Ebury Buildings, Ebury Square, S.W. 1.

LADY Dispenser requires post (at once); Doctor preferred; Hall qualifications. Apply L. S., 68 Lorne Road, Leicester.

LEARNER, 26, active, inexperienced, but most adaptable and artistic, desires opportunity as Saleswoman. References, "Statim" (12/31), Office of this Paper.

LOCUM, over 30 years' wide experience, Pharmaceutical, Hospital, etc., qualified, disengaged in about three weeks. M. Smith, 238 Prince Regent's Lane, Plaistow, E. 13.

LOCUM; unregistered; 42; competent all branches; highest references; Grade 3; conditional exemption; October 7th-12th inclusive. "Statim," 135 Queen Street, Newton Heath, Manchester.

LOCUM Dispenser; Hall; experienced. Miss Saul, 129 High Street, Brentwood, Essex.

LOCUM; best references; disengaged October 5th. "Phenol" 13/80, Office of this Paper.

LONDON preferred; responsible position, with entire control of business, required shortly by qualified Chemist; wide experience in extending sales of Proprietary, Surgical, and usual side lines; good references. "Vera" (13/32), Office of this Paper.

MANAGER, qualified, active, exempt, at liberty, having terminated a four years' engagement through the action of the N.S.R. Chemist, 85 Tachbrook Road, Leamington Spa.

MANAGER, excellent references, disengaged October 12th. "Sofrol" (13/8), Office of this Paper.

MANAGER, Dispenser, or Locum; qualified; disengaged September 30th. "M.P.S." (13/31), Office of this Paper.

MANAGER, qualified, 36, with opportunity of early succession preferred; successfully managed branch for last six years; thorough knowledge of good-class Retail, Dispensing, and Photographic trade; Grade II.; excellent references. Apply 13/12, Office of this Paper.

MANAGER or other responsible position; unqualified; 42; Grade 3; experienced all branches; sound organiser, practical, excellent references. Kindly state salary offered and full particulars, 13/9, Office of this Paper.

MANAGER, qualified, desires position of responsibility in up-to-date and modern Pharmacy; thorough knowledge all branches; undeniable references; married; Grade II.; 5½ guineas weekly. State hours and full terms of engagement, "Permanency" (4/14), Office of this Paper.

MANAGEMENT small business; town or country; view purchase. Particulars to Chemist, 88 Main Street, Mexborough, Yorks.

PART-TIME lady (Hall) wants afternoon Dispensing, Croydon neighbourhood, from October 7th; Doctor or Chemist (no Counter); good references. Apply 9/39, Office of this Paper.

PHARMACISTS and others that urgently require a competent, qualified, energetic, and trustworthy Locum or Manager should please retain this address and wire or write to me, Williams, Pharmacist, 14 Penn Road, Wolverhampton, Staffs.

QUALIFIED, 49, tall, active, unquestionable character, desires post; North Midlands preferred. J. H. Brookes, Tansley, Matlock.

QUALIFIED; part-time or easy hours; ineligible; 36; Hampstead or Highgate district. Taylor, 172 Station Road, Westcliff-on-Sea.

QUALIFIED, 33, Grade III., married, desires permanency; South Wales; first-class experience town and country; steady and reliable; present berth four years; disengaged September 30th. State full particulars, salary, etc., Lloyd, 24 Church Road, Ton Pentre, Rhondda Valley, Glamorgan.

QUALIFIED desires position as Manager or Works Chemist; disengaged; excellent experience. Apply 6/26, Office of this Paper.

QUALIFIED Dispenser (lady), Hall certificate, desires post; knowledge of bookkeeping; disengaged; N.W. London preferred. "H.," 14 Denning Road, Hampstead.

QUALIFIED, Grade 3, seeks permanent post; South Wales preferably; present situation three years as First to largest shop in S. Wales; age 29, good address and appearance; excellent testimonials. Apply 13/27, Office of this Paper.

QUALIFIED Manager desires permanency; active and interested worker; first-class all-round experience in buying and control. State salary and hours, "Exodus" (13/16), Office of this Paper.

QUALIFIED wishes to leave Wholesale for Retail; four years' Previous Retail; tall; ineligible; excellent references; able to manage business. Full particulars from 13/26, Office of this Paper.

SUBSTITUTE, London area (at once); 45½; qualified. Apply 8/35, Office of this Paper.

TEMPORARY or Locum; City or West; unqualified; vacant September 30th; Dispensing and Counter; 29/- 75s.; 55 hours. Replies to 13/28, Office of this Paper.

UNQUALIFIED; permanently discharged; married; 29; tall; first-class experience; quick and accurate Dispenser; Leeds or near preferred. Reply 11/3, Office of this Paper.

UNQUALIFIED Locum (not for Dispensing); good Counterman, Prescriber, etc.; abstainer; over military age. References, "Energetic," 19 Chapel Street, Uxbridge.

UNQUALIFIED, discharged, married, seeks permanency; rooms over premises preferred; disengaged. Apply 30 Chandos Road, Cricklewood, N.W.

UNQUALIFIED, 24, Grade III., 10 years' good-class experience, Dispensing, Counter, and Photography, desires comfortable permanency. State salary, hours, etc., to "Provincial" (14/9), Office of this Paper.

WANTED, a position as Manager (qualified), aged 45, with view to succession on easy terms; single-handed shop with living accommodation preferred; in or near London; disengaged middle October. "Edwin" (4/22), Office of this Paper.

WANTED by all-round experienced, unqualified man, aged 39, exempt from Army, position of Managing Assistant; present post held 13 years; South Wales preferred. Apply 10/5, Office of this Paper.

YOUNG lady requires position as Chemist's Assistant; Liverpool district; three years' experience. Apply 11/12, Office of this Paper.

WHOLESALE.

ADVERTISER requires position as General Manager or otherwise; sound organiser, administrator, and accountant; accustomed to large Factory and Offices; wide commercial experience; last employ 14 years, General Manager and Director; extensively advertised Toilet preparations; disengaged; salary £500. Apply 12/21, Office of this Paper.

AS BUSINESS OR WORKS MANAGER.—Highly progressive, energetic, and capable Manufacturing Chemist desires appointment as above. Advertiser has had very unusual experience both as an administrator and as a business builder, and could successfully undertake the entire layout of a new business *ab initio*. Unexceptionable references. Salary in any circumstances not less than £450. Apply 12/17, Office of this Paper.

BACTERIOLOGICAL Assistant Dispenser; Analysis water, milk, butter, beer, spirit, wine, sputa blood preparation culture media. Brown, 5 Boyce Street, Waterloo Road, London.

FIRST-CLASS hand disengaged; Pill and Tablet maker; years' experience; London or suburbs. Apply 12/6, Office of this Paper.

WEST OF ENGLAND.—Gentleman, covering this ground, open to represent well-known house; part expenses and commission. "Bristolian" (11/21), Office of this Paper.

WORKS Manager or Technical Supervisor desires early appointment: Drugs, Chemicals, Essences, Extracts; knowledge of modern methods of manufacturing and plant. "Institute" (14/8), Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

WANTED, situation abroad; exempt; Wholesale (Laboratory), Retail Dispensing experience of 30 years. Apply 13/33, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—100 De Trey Bearer, 39*s.*; 300 Dolok Rubber, 3*s.*; 500 Horace Cory Ordinary, 11*s.* 4½*d.*; 250 Manbre Saccharine 5% Prefs., 14*s.* 6*d.*; 100 Natal Ammonium Prefs., 13*s.*; 400 Molassine Ordinary, 8*s.* 6*d.*; 100 7% Prefs., 18*s.* 1½*d.*; 72 A. J. White, 5*s.* 10½*d.*; 100 International Plasmon, 8*s.* 6*d.*, yield 8¾%.

Wanted (subject).—Allenbury Prefs.; 100 Idris "A" Prefs., 5*s.* 6*d.*; 150 Reckitts Ordinary, 34*s.* 9*d.*; 300 Parke's Drug Ordinary, 9*s.*; 200 Ilford Ordinary, 19*s.* 9*d.*; Wright Layman Prefs.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

ENGLISH Beeswax, about 8 cwt., for Sale; good colour. Write "B. S.," c/o Goulds, 54 New Oxford Street, W.C. 1.

HAVING secured, under exceptional circumstances, larger quantities of following French preparations than own trade requirements, willing spare about 12 dozen each Globeole, Fanderine, 25*s.* diz.; Fodolose, 20*s.*; Urodonal, 33*s.*; Lacteol tablets or granulated, 50*s.* gross tubes; 30 dozen Phenalgin. What offers per ounce? Above all sound u/s for dispensing. Cash with orders, Evans, Manufacturing Chemist, 158 City Road, Cardiff.

WHITE Sugar of Milk; U.S.P.; 1,000 lb.; offer wanted. Chemical Supply Co., 5 Cathedral Yard, Manchester.

ONE drachm Apomorph. Hydrochl. 3j. Atropin. Sulph., ½ cwt. Resina Flav., 4 oz. Pulv. Opii Ture. 10%, ½ oz. Codein. Phosph. (Merck); 1 oz. Veronal (Bayer); 2 tubes Sajodin Tablet-ten., 2 5-gm. Theobromin (Knoll); 7 oz. Indigo, 6 oz. Sanmetto, ½ tubes Gold Chloride, 10 doz. Pil. Morph. HCl, gr. ¼, ½ lb. Bromine Pure, ½ 100 Tabloid Guaiacol Carbonate; cash or exchange for Succ. Solazzi, Bism. Carb., Coml. Nicotine, or Troch. Linseed, Licorice, and Chlorodyne. Apply 9/30, Office of this Paper.

ABOUT 3,000 tins (50 grammes each) Powdered Somatose; ex Prize Court s.s. "Tranquebar." Apply 12/20, Office of this Paper.

36 BOTTLES Wayne County Oil of Peppermint, 20*s.* lb., carriage paid. Butterworth, 11 Bewley Street, Manchester.

150,000 SWEETENERS for disposal; good tablets of reliable strength; 7,000 to the pound, 15*s.* 1,000; 5,000 lots, 14*s.* 6*d.* per 1,000 per registered post; cash with order. Coopers', Chemists, Halesowen, Birmingham.

A FIRM of Manufacturing Chemists want to buy large or small quantities of Tubes for Tooth Paste, Hongroise, etc.; Tins, Cardboard Boxes, Glass Bottles, and Jars; also Packing Cases. Full particulars to 277/36, Office of this Paper.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

EXCHANGE COLUMN.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6*d.*

FOR DISPOSAL.

BOOKS AND PERIODICALS.

"BUSINESS Encyclopædia and Legal Adviser." by W. S. M. Knight, Barrister-at-Law; 7 volumes new; best offer; worth £3. Ashby, Brynn, Wigan.

DENTAL.

SEVEN Celluloid Full Upper Showpieces. R. Lamb, 123 West End Lane, London.

7 PAIRS Dental Forceps; new; £3 or nearest offer. Middleton, Chemist, Nottingham.

DRUGS AND CHEMICALS.

WHAT offers? 100 lb. Bichromate of Potash. D. Kennedy, Chemist, Hawick.

1 OZ. Glutol, 7 oz. Zinc. Tannate, 4 oz. Zinc. Valerianate, 2 oz. Mesotan, 2 oz. Guaiacol. Offers, Chemist, 413 Oxford Road, Manchester.

300 Tubes Bengue's Ethyl Chloride; 10 oz. Saffron Valent., 3*s.* 6*d.* oz.; 70 250-grm. Bots. Soda Benz., 21*s.* lb.; 70 100-grm. Bots. Sod. Benz., 21*s.* lb.; 20 250-grm. Bots. Thiocol; 30 × 100, 40 × 25 Sod. Theobromine Pur.; 60 × 50, 100 × 25, 40 × 100 Salol; 50 × 50, 100 × 25 Salipyrin; 40 × 25 Hæmoglobin; 50 × 50, 25 × 100 Ferri Oxalas; 50 × 100 Sod. Perborate. Tudor Thomas, Chemist, Cardiff.

GUM Tragacanth Opt., 8*s.* lb.; Acid Salicylic, 2 lb., 11*s.* 6*d.*; Acid Citric Crystals, 3*s.* 9*d.* lb.; Sodii Salicyl., 7*s.* lb.; Podoph. Resin., 4 oz., 8*s.*; Quinine Hydroch., 4 oz., 16*s.*; Ol. Neroli Super., 18*s.* oz.; Ol. Fœniculi Dulc., 20*s.* lb.; Exot., 23*s.*; Phenacetin, 8 oz., 13*s.*; Hexamine, 10*s.* lb.; 1,000 Parke Davis Tab. Calomel., gr. v., 15*s.*; ditto Cascara, 18*s.*; Tabloid Sulphonal, gr. v., 3 × 100, 18*s.*; Syrup Cocillana Co., 6*s.* lb.; Coumarin, 12*s.* oz.; Vanillin, 4 oz., 19*s.*; Caffein Pure, 3*s.* 6*d.*; Citras, 2*s.* 9*d.* oz.; Phenolphthalein, 2 oz., 8*s.*; 3 oz. Brilliantine Green, 12*s.*; Medinol, 9*s.* oz.; Trional, 6*s.* oz.; Calomel, 7*s.* lb.; Atropine Sulph., ½ oz., 40*s.*; post paid. Forryan, 40 Duncan Road, Leicester.

OPTICAL AND PHOTOGRAPHIC.

NO. 3 Folding Pocket Kodak, Autographic, in perfect condition; no reasonable offer refused; or exchange for Glycerine. Fraser, 84 High Street, Dumfries.

MISCELLANEOUS.

AMERICAN Soda Fountain, complete with brass fittings; large Copper Mixed, Pressure Gauge, etc.; any reasonable offer accepted. Chemist, 3 Queen Street, E.C. 4.

HANDSOME Dispensing Screen for Sale; gold lettering, the words Dispensing Department picked out in salmon and emerald green; size 8 feet by 2 feet; mahogany border. What offers? Francis, Chemist, Wrexham.

OAK Vats (2 100-gal. with lids, 1 30-gal.); Tincture Press, quart, 20*s.*; Copper Boiling Pan, on stand, 10 gal., fitted gas, 80*s.*; Semi-Rotary Pumps, No. 1 (iron), 60*s.*, brass 80*s.*, large (brass, on stand) 130*s.*; Roberts No. 1 Bottle Filling Machine, nearly new, £18; Hand Bottle Brushes, jam or pickle size, 9*s.* doz. Jackson, Pownall Square, Liverpool.

WANTED.

50 GROSS tins Health Salt. Apply 178/57, Office of this Paper.

OLD Negatives, 5½" × 3½", or larger wanted. Apply 9/6, Office of this Paper.

BARFF'S Boro-Glycerine; any size. Newsholme, Ltd., 27 High Street, Sheffield.

½ DOZ. or less Himrod's Asthma Cure. Lowest price to Pearson, Chemist, Woolston.

WANTED immediately, quantity of Bulbs for B. Sparklet Syphon. Coopers, Berkhamsted.

POWDERED Dragon's Blood, Gum Thus; sample. "O.," 85 Auckland Hill, W. Norwood.

DISPENSING Scales; 20 feet Oxygen Cylinder. Chemist, 413 Oxford Street, Manchester.

ADALIN Tablets or Powder; any quantity. J. R. Walker, 36 New Cavendish Street, London, W.

HOFF'S Malt Extract; best price; cash with order. Clubb & Co., 138 Smithdown Road, Liverpool.

OPTICAL Trial Case wanted. M. Blumenthal, M.P.S., 164 Lightbowne Road, Moston, Manchester.

CASH Register wanted; cheap; any make; second-hand. Brodribb, 344 Mare Street, Hackney.

HINGED Gilt Tins for ½ and 1 oz. lozenges; samples. Prices, "S.," 46 Cumberland Road, Acton, W. 3.

QUOTATIONS for ½-grain Saccharines below 13*s.* 6*d.* per 1,000, post free. Apply 9/33, Office of this Paper.

CHECK Till; National preferred; Nest of Drug Drawers or Wall Fixture in good condition. Horton, Chichester.

ANGIER'S Tablets, large and small sizes; Guycose; Compo Mortar, about 16 in. diameter. Apply 13/36, Office of this Paper.

FENUGREEK; powdered or whole; 1 cwt. less or more wanted. Quote price, etc., Walpole, 22 Dorset Street, London, W. 1.

PHENACETIN, Quinine, Morph. Hydroch., P. Opii, and saleable Drugs bought for cash. Forryan, 40 Duncan Road, Leicester.

PILL Mass Mixer wanted. State price, capacity, and maker's name, E. C. De Witt & Co., Ltd., 44 Rathbone Place, London, W. 1.

WANTED to purchase, Jars, Glass Bottles suitable for Face Creams, Tins, Cardboard Boxes; send samples. The Portland Chemical Co., 100 Portland Road, W. 11.

JOB Tooth Brushes, cheap; Toilet Rolls, Shop-soiled Soaps, Diexogen, and scarce goods for cash; could exchange few pounds Glycerin. Roper, Chemist, Dunmow, Essex.

FIRM is manufacture Pill in 10,000 to 20,000 lots to commence with; made from private formula. Write Talbot Wilson, Wholesale Druggist, 20 Highgate Road, London, N.W. 5.

REQUIRED, any quantity of Cut Glass and Fancy Bottles, suitable for Perfumery; odd lots of assorted sizes and shapes dealt with. Apply Box O.P., W. H. Smith & Son, 55 Fetter Lane, E.C. 4.

"P.J.F."; Martindale, 16th; Luff; Attfield; Merck's Reports, 1908, 9, 13; Gray's Anatomy; Pharmacopedia; Encyclopædia Britannica, 1911. State prices, Gower, 41 Voltaire Road, Clapham, S.W. 4.

WANTED, 15-gr. Suppository Moulds. Lambert, Son & Watkins, 60 and 62 Queen's Road, Dalston.

WANTED, Carboy of Acetic Acid for cash, or exchange acetone and cash; urgently. 281/32, Office of this Paper.

4 OZ. 10 oz., 20 oz. W.M. Bottles for Emulsion; Kalis preferred; 5 gross or so of each. Apply Cormack, Chemist, Blyth.

GLACIAL Acetic Acid wanted. State quantity and price, Hirst, 81 Somers Road, Southsea.

TO buy, 1,000 or 2,000 gross No. 2 and No. 3 Screw-capped Tablet Bottles. Apply 148/53, Office of this Paper.

SUGAR of Milk (any quantity). State quality and price for cash against delivery, James, 13 Crownhill Road, Harlesden, N.W. 10.

COCOA Butter, Sweetened Milk, Cocoa, Sugar of Milk (any quantities). James, Chemists, 13-15 Crownhill Road, Harlesden, N.W. 10.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W. 4.

BIG prices paid for Stokes' or Colton Tablet Machines; Pill Machinery also wanted. Particulars to 78/58, Office of this Paper.

JOB lino Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. "Brytenup" Polish Works, Marsh Lane, Preston.

WATSONS' OF SHEFFIELD

Give TWO-THIRDS Retail Price for No. 1 Junior Kodaks and No. 2 Folding Brownies and for many other cameras,

Three-quarters Retail Price for ROLL FILMS of all kinds. Out-of-date films bought for experimental purposes.

If you have anything photographic, cameras, apparatus or supplies you cannot sell, send it to us now. It will never be worth so much to you again.

WATSONS', The Camera House,
Tel. No. 27. 84 High Street, Sheffield.

DON'T READ THIS unless you require **THE** smartest Cards obtainable that will prove their value in your windows.

For 3/6 Packing & Carr. Paid — 1 15×10 Aero-Panel Line Card for various "Preps." —Face Powders & Creams, Tooth Powders, Perfumes, Soaps, etc. etc. (In HIGH-CLASS STYLE.)

For 5/9 Packing & Carr. Paid — 4 12×8 (New Effective Size) Art Series Cards for various "Preps." (In SPECIAL EFFECTIVE STYLES.) **(Previous Advts. cancelled).**

F. MERTEN, 112 Warham Road, HARRINGAY, LONDON, N.4.
(Late F. M. & Co., of Holloway.)

Saccharin Tablets

Guaranteed ½ grain 330 strength.

Price **140/-** per pound, in 8-oz. & 4-oz. tins—7000 tablets to the pound. *Remittance with order.*

C.A. Royle & Co., 59 Royal Exchange Chambers, Leeds.

500,000 SACCHARIN TABLETS.

½ grain, 330 in 1; over 7,000 to the lb.: 21/- 1,000 5,000 @ 20/9, 1 lb. £7/4/0, 2 lbs. @ £7/3/0, 3 lbs. @ £7/2/0, 5 lbs. @ £7/0/6.
¼ grain, 330 in 1: 1,000 15/3, 5,000 @ 14/10, 10,000 @ 14/6, 25,000 @ 14/3, 50,000 @ 14/-, 100,000 @ 13/6. Best quality.
Do not buy inferior tablets.
Cash with Order. Free Registered Post.

W. TRAVIS, 203 WHITECROSS STREET, LONDON, E.C.1

¼ Grain 330 SACCHARIN TABLETS.

Made from finest Monsanto (American) 550 Saccharin, and guaranteed absolutely pure and soluble.

5,000 @ **15/-** per 1,000	25,000 @ **14/-** per 1,000
10,000 @ **14/6** ,,	100,000 @ **13/6** ,,

Registered post paid. Immediate delivery. Cash with order.

J. AUSTIN, *Chemist*, Alum Rock Road, BIRMINGHAM.

DOCTOR WILSON'S SWEETEN-IT

Is a Highly Concentrated Substitute for Sugar.

TRY IT. YOU WILL BE DELIGHTED.

Good for Cakes Puddings, **SWEETEN-IT** Ice-Cream, Pastry, Jam, etc.

SELLS LIKE HOT CAKES.

Packed in Envelopes.

Retail 3d. Packet costs **30/-** gross.
,, 6d. ,, ,, **52/-** ,,
,, 1/- ,, ,, **96/-** ,,

Special terms for 5 gross assorted.

Cash with Order. Immediate delivery. Carriage Paid.

SOLE AGENTS:

LYNDWOOD & CO., *Wholesale Chemists,*
71 High Holborn, London, W.C. 1.

SPECIAL OFFER *of*

SACCHARIN TABLETS

(Made from "Monsanto" only).

GUARANTEED ½ gr. in 1, 330. 8,000 Tablets to lb.

1 lb.,	**15/6**	**per 1,000.**	
3	,, **14/6**	,,	
6	,, **14/-**	,,	
12	,, **13/6**	,,	
24	,, **13/3**	,,	

In bulk, or packed in 1-lb. Boxes; or in Boxes of 1,000, **2d.** per 1,000 extra.

½ gr. in 1, 330, 7,000 to lb., 20/6, in 10,000 lots.

NOTE.—Many so-called Sweeteners contain only ⅛ gr.

PROMPT DELIVERY BY REGISTERED POST, CASH WITH ORDER.

Cheques crossed London City and Midland Bank.

WATSON & CO.

TABLET MANUFACTURERS,

8 Albert Street, Loughborough.

8/6 VERY FEW. **Jay Mack's Ledger** **10/6 4 Years 5 Columns**

gives Yearly Sales, Purchases, Exes., with only 10 mins. work weekly; Easy Stocktaking explained; Form Pages show Balance Sheets and Income Tax Deductions; no previous Book-keeping experience needed.

On appro. on receipt of cheque. 1/- Post Booking Fee, deducted if returned.

Mack-Ivor, Hightown P.O., Crewe.	Ayrtons, Evans, Bleasdale, Ucal Raimes (Edinb.)	Australia: Felton Grimwade C.D.A.	S. Africa: Border Drug, Gardners.

Saccharin Tablets.

½ gr., 330 in 1. Guaranteed the Genuine Article.
£7 0 0 per lb. Cash with Order.
Delivery per return. Reg. post paid. Special quotations for large quantities.

HENRY BOWN, Chemist, 154 Cemetery Road, SHEFFIELD.
Telegrams: 2742 Sheffield.

P.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

The prices announced below came in force on September 14th:—

Advert. Price.			Minimum Retail Price.	Minimum Wholesale Price.
12/-	**Ingram's**	"Omega" Whirling Spray Syringe, with Raimes' Patent Mount	12/-	96/-
8/-	"	Eclipse Wh. Spray Syringe	8/-	64/-
3/-	**Bronnley's**	Mitcham Lav. Soap ...	3/-	24/- doz. boxes
	"	Albumyl Verbena Soap ...	3-tab. box	
	"	Scarlet Geranium Soap		
3/9	"	Omar Khayyam Soap	3/9 3-tab. box	30/- "
	"	Viotto Soap... ...		
1/1	"	Bathodomes Soap...	1/1 tab.	8/6 dz. tabs.

Woodcock's Wind Pills.

Irish Prices:—1/3 & 3/- m.r.p.; 10/6 & 27/6 m.w.p.

NOTE.—Other manufacturers have submitted new prices, but these prices have not yet been passed by the Council.

SACCHARIN TABLETS

½ gr. 330 in 1.

Neatest and Sweetest.

£6-18-0 per lb.

or

20/- per 1,000

Over 7,000 to the lb.

SPECIAL PRICES FOR LARGER QUANTITIES.

CASH WITH ORDER. CARRIAGE PAID.

RICHARD HOULT,
73 Elford Grove, LEEDS.

The ORIGINAL Advertiser of

SACCHARIN TABLETS

(½ gr. 330 in 1)

Still Leads and Offers

1 lb. (average over 7,000)	£7	0	0	per lb
2 lb.	6	19	0	"
5 lb.	6	18	0	"
10 lb.	6	17	0	"
20 lb.	6	16	0	"

FLASKS of 100 @ 26/- per doz.
200 @ 50/- "
1,000 lots @ 20/- each.

Tablets of ¼ gr. 330 in 1 (average 7,000)
100/- per lb.; 2 lb. @ 97/6; 5 lb. @ 95/-

CASH WITH ORDER. REGISTERED POST PAID.
SAME DAY AS ORDER RECEIVED.

WALTON, Chemist, Batley
YORKS.

"BENNET'S"

Saccharin Tablets

The Finest yet offered. Soluble.
Immediate Delivery from Stock.

1 lb.	£7	0	0	per lb.
5 lb.	£6	18	9	"
10 lb.	£6	18	3	"
50 lb.	£6	17	6	"
100 lb.	£6	16	6	"

Average *over* 8,000 Tablets to the lb.

CASH WITH ORDER. CARRIAGE PAID.

BENNET & CO., Cromwell House,
HOLBORN, LONDON, W.C. 1.

SACCHARIN TABLETS

Highest quality and finish.

Half Strength (¼ gr. 330 in 1)	Full Strength (½ gr. 330 in 1)
16/- per 1000	**21/6** per 1000
110/- per lb.	**145/-** per lb.

C.W.O. POST FREE. NO WAITING.

FRANCIS HALLAM, LTD., Rexall Pharmacy, Burton-on-Trent.

SACCHARIN TABLETS

Guaranteed absolutely pure and soluble.
⅓ grain 330 in 1 grain. Made from finest American 550 Saccharin.

10,000 lots at **16/6** per 1,000		Cash with order.
25,000 " **16/3** "		Immediate delivery.
100,000 " **16/-** "		Registered post paid.

AUSTIN, Wholesale Chemist, Saltley, Birmingham.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO., LTD., 1 New-street Square, E.C. 4, and published by the Proprietors at 42 Cannon Street, in the City of London. *September* 21, 1918. [56]

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Largely increased sales all over the country and especially in these areas prove its popularity. Highly recommended by Medical Men and Nurses.

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9d.	6/6 per doz. tins.
1/4	12/6 ,, ,,
3/-	28/6 ,, ,,

Carr. paid on 20/- value and upwards.

Terms: Monthly Account.

Under £2 Value ...	Strictly Net.
Over £2 and under £5.	2½% Discount.
Over £5 and under £10	5% ,,
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In addition to the press advertising, Moseley Food Sales are assisted by a handsomely printed, popularly written Baby Book, Special Counter and Window Show Boxes and the usual effective Window Card and Display Publicity associated with the "Wigglesworth Way."

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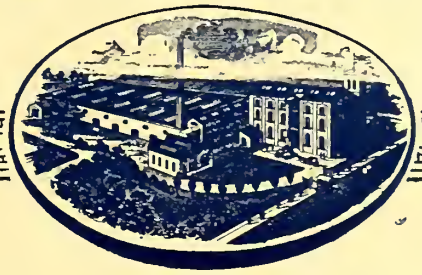
Westhoughton, Lancashire.



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MANUFACTURING PHARMACEUTICAL CHEMISTS.
Distillers of Essential Oils and Cultivators of Medicinal Plants.
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